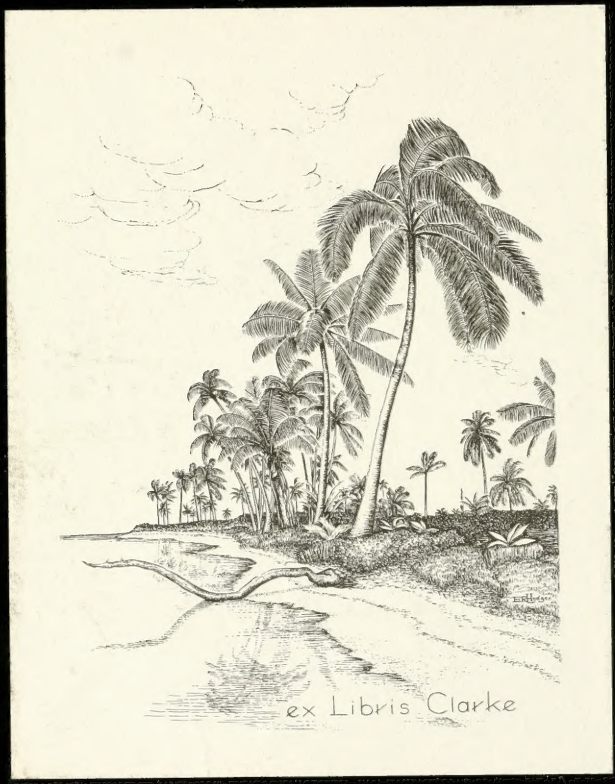
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A. F. GATES CLARKE

EASTERN AND AUSTRALIAN
LEPIDOPTERA HETEROCERA

SWINHOE

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CATALOGUE

OF

EASTERN AND AUSTRALIAN

LEPIDOPTERA HETEROCERA

IN THE COLLECTION OF

THE OXFORD UNIVERSITY MUSEUM

BY

COLONEL C. SWINHOE

F.L.S., F.Z.S., F.E.S.

PART I

SPHINGES AND BOMBYCES

WITH EIGHT PLATES

SMITHSONIAN LIBRARIES

Oxford

AT THE CLARENDON PRESS

1892

Oxford

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PREFACE

AT the request of Professor Westwood, and under the orders and sanction of the Delegates of the Press, this work is being produced as a students' handbook to all the Eastern Moths in the Oxford University Museum, including chiefly the Walkerian types of the moths collected by Wallace in the Malay Archipelago, which for many years have been lost sight of and forgotten for want of a catalogue of reference.

The Oxford University Museum collection of moths is very largely a collection of the types of Hope, Saunders, Walker, and Moore, many of the type specimens being unique and of great scientific value.

All Walker's types mentioned in his Catalogue of Heterocerous Lepidoptera in the British Museum as 'in coll. Saunders' should be in the Oxford Museum, as also the types of all the species therein mentioned by him as described in Trans. Ent. Soc., Lond., 3rd ser. vol. i.

The types of all the species mentioned in Walker's catalogue which have a given locality preceding the lettered localties showing that they are in the British Museum should also be in the Oxford Museum. In so far as this work has proceeded this has been proved to be the case by the correct-

ness of the locality labels on the type specimens, and by Walker's manuscript names found below them.

I have to thank Professor Westwood for the assistance he has given me in furnishing me with accommodation in the Oxford Museum, and in permitting me to take out specimens for comparison at other Museums. Nine-tenths of the mistakes made by systematic Lepidopterists are made for want of this permission, and, without it, it is hopeless to expect identifications to be made with any approach to correctness.

I have also to thank Messrs. Moore and Hampson for much kindly assistance, the former in identification of species, and the latter in working out the genera.

C. SWINHOE.

OXFORD:
1 *October*, 1892.

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ERRATA

73*. for *C. marginata* read *C. margarita.* Kirby: Trans. Ent. Soc., Lond., 1877, p. 240.

257*. *Cebysa leucotelus* is a Tineid and not a Lithosid as shown by Walker, and will be referred to again in its proper place.

363*. *Eterusia submarginalis*, for ♀ read ♂.

424*. The genus *Duga* belongs to the Geometrites, family Zerenidæ, and not to the Hypsinæ as shown by Walker, and will be referred to again in its proper place.

441*. last line, for *Antoceras* read *Autoceras.*

639*. for *arnana* read *aruana.*

692*. for *arnus* read *aruus.*

901*. *Lalia testacea*, note, the type ♂ from Bengal is in coll. Moore.

926*. *Orgyia bicolor* is a true *Orgyia*, and was placed in the genus *Pantana* by oversight.

CATALOGUE

OF

EASTERN LEPIDOPTERA HETEROCERA

IN THE

OXFORD UNIVERSITY MUSEUM.

PART I.

FAMILY **SPHINGIDÆ.**

SUB-FAMILY MACROGLOSSINÆ.

GENUS. **SATASPES.** Moore: Cat. Lep. E. I. C., p. 261 (1857).

1. Sataspes infernalis.

Sesia infernalis. Westw.: Cab. Or. Ent., p. 61, pl. 30, fig. 3 (1848).
Macroglossa infernalis. Walker: viii. 95 (1856).
Sataspes infernalis. Moore: Cat. Lep. E. I. C., i. p. 261 (1857).
——————— Butler: T. Z. S., Lond., ix. p. 517 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 1. 1 (1887).

a. Silhet (type). b. Upper India (Drinkwater).

2. Sataspes uniformis.

Sataspes uniformis. Butler: P. Z. S., Lond., 1875, p. 3.
——————— T. Z. S., Lond., ix. p. 518 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 1. 2 (1887).
var. *Sataspes infernalis.* Boisd.: Sp. Gén. Lép. 1, pl. 10, figs. 1, 2 (1875).

Type. Silhet, in B. M.
a. Silhet (3).

GENUS **HEMARIS.** Dalman: Vet. Akad. Handl., p. 207 (1816).

3. Hemaris sieboldi.

Macroglossa sieboldi. Boisd.: in de l'Orza's Lep. Japan, p. 35 (1859).
Hemaris sieboldi. Butler: T. Z. S., Lond., ix. p. 519 (1876).
Sesia whitelyi. Butler: Ann. Mag., N. H. (4), xiv. p. 367 (1874).

Type. Japan, in B. M.
a. Japan.

4. Hemaris saundersii.

Sesia saundersii. Walker: viii. 83 (1856).
Hemaris saundersii. Butler: T. Z. S., Lond., ix. p. 520 (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 1. 4 (1887).

Type. N. India, in B. M.
a. E. Indies (Hutton).

5. Hemaris bucklandi.

Hemaris bucklandi. Butler: Ann. Mag. N. H. (5), xiv. p. 404 (1884).
Hemaris cunninghami. Boisd.: (nec. Walker), Sp. Gén., p. 375 (1875).

Type. Australia, in B. M.
a. Australia.

6. Hemaris kingi.

Macroglossa kingi. McLeay: King's Survey of Australia, App., p. 465 (1827).

Type. Australia, in Sydney Mus.
a. Australia (3).

7. Hemaris hylas.

Sphinx hylas. Linn.: Mant., i. p. 539 (1771).
Sesia hylas. Fabr.: Ent. Syst., iii. i. p. 379 (1793).
———— Walker: viii. 84 (1856).
———— Moore: Cat. Lep. E. I. C., i. p. 260, pl. 8, figs. 1, 1*a* (1857).
Cephnodes hylas. Hübner: Verz. Bek. Schmett., p. 131 (1816).
———— Moore: Lep. Ceyl. ii. p. 31, pl. 93, fig. 4 (1882).
Hemaris hylas. Butler: T. Z. S., Lond., ix. p. 522, pl. 90, figs. 4, 5 (1876).
———— Dewitz: Nerh. L. C. Ak., 44, p. 266, pl. 9, figs. 9, 9*a*, 9*b*.
———— Moore: Lep. Ceyl., ii. p. 31, pl. 93, figs. 4*a*, 4*b* (1882).
———— Cotes and Swinh.: Cat. Moths of India, i. 2. 5 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 192.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 1. 1 (1891).
———— Saalmüller, Lep. Madag., i. p. 117, pl. 3, fig. 40.
Sphinx picus. Cramer: Pap. Exot., ii. p. 83, pl. 148, fig. B (1777).
Sesia cunninghami. Walker: viii. 85 (1856).
Macroglossa cunninghami. Schaufuss: Nunquam Otiosus, i. p. 22 (1870).
Hemaris cunninghami. Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 1 (1891).
var. *Macroglossa apus.* Boisd.: Faun. Ent. Madag., pl. 79, pl. 10, fig. 4 (1833).

a. Nilgiri Hills (4). b. East Indies. c. China. d. Bolivia. e. South Africa (2) (E. C. Bupton). f. Natal. g. West Africa. h. Sierra Leone.

GENUS **RHOPALOPSYCHE.** Butler: P. Z. S., Lond., 1875, p. 239.

8. Rhopalopsyche nycteris.

Macroglossa nycteris. Kollar: Hügel's Kaschmir, iv. 2. p. 458, pl. 19, fig. 5 (1844).

Rhopalopsyche nycteris. Butler: T. Z. S., Lond., ix. p. 523 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 2. 8 (1887).
Macroglossa volucris. Walker: viii. 94 (1856).
a. Silhet (2). b. E. Indies (Hearsay).

Genus **MACROGLOSSA.** Osch.: Eur. Schm., iv. p. 41 (1816).

9. Macroglossa stellatarum.

Sphinx stellatarum. Linn.: Syst. Nat., i. 2. p. 803 (1767).
Sesia stellatarum. Fabr.: Ent. Syst., iii. i. p. 380 (1793).
Psithyros stellatarum. Hüb.: Verz. Bek. Schmett., p. 132 (1816).
Macroglossa stellatarum. Walker: viii. 86 (1856).
——— Butler: T. Z. S., Lond., ix. p. 524 (1876).
——— Swinhoe: P. Z. S., Lond., 1884, p. 514.
——— ——— Trans. Ent. Soc., Lond., 1885, p. 347.
——— Cotes and Swinh.: Cat. Moths of India, i. 2. 9 (1887).
a. Cochin China. b. E. Indies (Heath).

10. Macroglossa gilia.

Macroglossa gilia. Herrich Schäffer: Samml. Ausser. Eur. Schmett., pl. 23, fig. 107 (1850).
——— Butler: T. Z. S., Lond., ix. p. 527, pl. 90, fig. 9, larva, fig. 10, pupa (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 5. 25 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 12 (1891).
Type. Silhet, in B. M.
a. Silhet. b. India (Ashmol. Mus.). c. China (2).

11. Macroglossa interrupta.

Macroglossa interrupta. Butler: P. Z. S., Lond., 1875, p. 242, pl. 37, fig. 2.
——— ——— T. Z. S., Lond., ix. p. 526 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 5. 23 (1887).
Type. Darjiling, in coll. Moore.
a. Silhet.

12. Macroglossa bombylans.

Macroglossa bombylans. Boisd.: Spec. Gén. Lép. Het., p. 334 (1875).
——— Butler: T. Z. S., Lond., ix. p. 525 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 4. 16 (1887)
Macroglossa gilia. Walker (nec. Herrich Schäffer): viii. p. 93 (1856).
a. India. b. India (Kirby).

13. Macroglossa avicula.

Macroglossa avicula. Boisd.: Sp. Gén. Lép., p. 334 (1875).
——— Butler: P. Z. S., Lond., 1875, p. 240.
——— ——— T. Z. S., Lond., ix. p. 525 (1876).
Type. Java, in B. M.
a. Java.

14. Macroglossa insipida.

Macroglossa insipida. Butler: P. Z. S., Lond., 1875, p. 242.
——————— T. Z. S., Lond., ix. p. 527 (1876).
——————— Moore: Lep. Ceyl., ii. p. 30, pl. 92, fig. 3, imago; figs. 3, 30, larva and pupa (1882).
——————— Cotes and Swinh.: Cat. Moths of India, i. 3. 10 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 4 (1891).

Type. Ceylon, in coll. Moore.
a. Ceylon.

15. Macroglossa limata. n. sp.: Pl. 1. f. 1.

Above, reddish brown, thorax and abdomen suffused with bright chesnut, sides of abdomen with three large dark ochreous round spots, followed by two small pure white spots; anal tuft dark blackish brown, fore-wings with a purplish suffusion sparsely irrorated with brown atoms. Transverse bands chesnut brown, an indistinct one at the base. 2nd ante medial thickening downwards and expanding towards the base on the hinder margin. 3rd post medial elbowed outwards above the middle, and slightly elbowed inwards below the middle, followed by a dark suffusion in the disc, not extending to the costa, a marginal distorted band, and a small square blackish subapical mark. Hind-wings blackish brown with a central deep reddish ochreous band, with its margins well defined.

Underside, face whitish, body and wings pale dull chesnut, wings with a broad greyish brown marginal band with distorted inner margins, and with three sinuous brown transverse lines all beyond the middle on the fore-wings, and commencing from just before the middle in the hind-wings, the inner line in both wings thickest and straightest.

Expanse of wings $1\frac{7}{10}$ inches.

a Java (type) (Horsfield).

Allied to *M. insipida* (Butler), from Ceylon, somewhat of the same hue of colour, the second and third bands on the fore-wing above are much more separated than in that species, the second is much more even, and the third more distorted; the hind-wings are deeper, and the brown marginal band is broader, and has a more evenly curved inner margin.

There are specimens of this species also from Java in the British Museum unnamed.

16. Macroglossa sitiene.

Macroglossa sitiene. Walker: viii. p. 92 (1856).
——————— ——— Butler: T. Z. S., Lond., ix. p. 527 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 5. 24 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 11 (1891).

Type. Silhet, in B. M.
a. Siam (Mouhot). b. Silhet.

17. Macroglossa kanita. n. sp.: Pl. 1. f. 2.

Above, dark brown, a blackish brown line along the centre of the thorax, and extending along the head to the tips of the palpi, abdomen with large ochreous spots at the sides of the central segments, and a pair of black spots in the middle of these two segments, a whitish segmental line marking the last segment, a black central patch just above the anal tuft, which is large and blackish brown.

Fore-wings with a purplish tinge, transverse bands blackish brown, 1st ante medial, erect and expanding downwards, 2nd a little beyond the middle, broad, clearly margined with black, elbowed outwardly above, and nearly erect downwards, followed by a pale outwardly curved discal line, a large and longish sub-apical squarish spot, and a small blackish mark on the outer margin just below the apex.

Hind-wings blackish brown, with a narrow ochreous central band of the usual kind.

Underside, very dark uniform reddish brown, palpi, face and pectus white, a small pure white spot at the sides in each segment; wings with faint traces of some transverse lines, and with a bright ochreous space at the abdominal margin of hind-wings.

Expanse of wings $2\frac{3}{10}$ inches.

a. Sumatra (type) (Wallace).

Allied to *M. sitiene* (Walker), differs in the closeness and greater breadth of the bands on the fore-wings, the much narrower belt on the hind-wings, and the darker and more uniform colouration of the underside.

18. Macroglossa alcedo.

Macroglossa alcedo. Boisd.: Voy. de l'Astrolabe, Ent., p. 188 (1832–35).
———————— Butler: T. Z. S., Lond., ix. p. 526 (1876).

a. New Caledonia (Wallace).

19. Macroglossa labrosa. n. sp.

Above, dark brown with a glaucous tinge; thorax with some chesnut brown hairs, abdomen with a large square reddish ochreous spot on the first three segments on each side, with a continuation of small tufts of brown bristles tipped with the same colour, and with the anal tuft large, similarly coloured, but with the ochreous colour predominating; fore-wings with darker transverse bands.

1st ante medial, almost all the entire basal portion up to the band darkened.

2nd post medial, with its sides well defined by two dark lines slightly curving outwards above, apical space also dark.

Hind-wings bright ochreous, two or three brown basal streaks, and a broad dark brown marginal band with a well curved and fairly defined inner margin.

Underside, face white, pectus greyish, abdomen, legs and wings reddish brown, abdominal tufts at the sides and anal tuft reddish, wings broadly ochreous at their basal portions, about one third on the fore-, and half on the hind-wings with three indistinct transverse central lines.

Expanse of wings $2\frac{8}{10}$ inches.

a. Bouru (type) (Wallace).

Allied to *M. alcedo* (Boisd.), fore-wings somewhat similar, hind-wings with the yellow band of a similar hue but paler, can, however, easily be distinguished by its great width of body, by its very much broader yellow band, by the yellow anal tuft, and by the broad yellow base of both wings below.

20. Macroglossa inusitata. n. sp.

Above, blackish brown, abdomen more blackish, with black segmental bands at the sides, and with indistinct yellowish spots on the two central segments, anal tuft long and thick and very dark, fore-wing with indistinct darker transverse bands, 1st sub-basal very indistinct, 2nd ante medial, the broadest, curved outwardly and thickening downwards. 3rd post medial indicated by its two marginal lines, elbowed outwards just below the costa, and inwards in its middle coming close to the second band. 4th discal indistinct, indicated by its two faint marginal lines, and shaped somewhat as in the third, also some apical darker indistinct marks

Hind-wings blackish brown, with a broad ochreous central band, the inner margin irregular, the outer well curved and well defined.

Underside, face white, body and legs soot brown, abdomen with segmental dark bands, three small white spots at the sides below the middle, anal tuft dark brown, wings dark brown but dull in colour, hind margin of fore-wings and abdominal marginal space of hind-wings ochreous; no visible transverse lines.

Expanse of wings $2\frac{1}{2}$ inches.

a. Dorey (type) (Wallace).

Coloured somewhat similarly on the wings to *M. alcedo* (Boisd.), the transverse bands on the fore-wings are more numerous and closer together and the yellow band on hind-wings nearly as broad in *M. labrosa*; there are only a few brown streaks.

Can be easily distinguished by its very black abdomen above and below and by its peculiar bottle shape.

21. Macroglossa pylene.

Macroglossa pylene. Felder: Sitz. Akad. Wiss., Wien, xliii. p. 29 (1861).
——— Walker: xxxi. 27 (1864).
——— Butler: T. Z. S., Lond., ix. p. 525 (1876).

a. Ceram (Wallace). b. Waigau (Wallace).

22. Macroglossa luteata.

Macroglossa luteata. Butler: P. Z. S., Lond., 1875, p. 241, pl. 37, fig. 5.
——— T. Z. S., Lond., ix. p. 256 (1876).
——— Moore: P. Z. S., Lond., 1878, p. 844.
——— Cotes and Swinh.: Cat. Moths of India, i. 4. 19 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 162.

Type. Silhet, in coll. Moore.

a. Silhet.

23. Macroglossa belis.

Sphinx belis. Cramer: Pap. Exot., i. p. 147, pl. 94, fig. C (1776).
Macroglossa belis. Butler: T. Z. S., Lond., ix. p. 526, pl. 90, figs. 6, 7, larva and pupa (1876).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 287.
——————— Cotes and Swinh.: Cat. Moths of India, i. 4. 18 (1887).
——————— Hampson: Ill. Typ. Lep. Het. B. M., viii. 1. 9 (1891).
Macroglossa phyrrhula. Boisd.: Spec. Gén. Lép. Het., i. p. 337 (1875).
Macroglossa assimilis. Swainson: Zool. Ill. Ser., i. vol. i. pl. 64 (1820).
Macroglossa zena. Boisd.: Spec. Gén. Lép. Het., i. p. 337 (1875).

a. East Indies (Hearsay). b. East Indies (2) (Hutton). c. India (2) (Ashmol. Mus.).

24. Macroglossa faro.

Macroglossa faro. Cramer: Pap. Exot., iii. pl. 285, fig. C (1779).
——————— Walker: xxxi. 27 (1864).
——————— Butler: T. Z. S., Lond., ix. p. 528 (1876).

a. Singapore (2).

25. Macroglossa corythus.

Macroglossa corythus. Walker: viii. 92 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 527 (1876).

Type. Java, in B. M.
a. Java (2) (Horsfield).

26. Macroglossa obscuriceps.

Macroglossa obscuriceps. Butler: P. Z. S., Lond., 1876, p. 309, pl. 22, fig. 5.
——————— T. Z. S., Lond., ix. p. 635 (1876).

Type. Ayerpanas, Malacca, in coll. Roberts.
a. Singapore (Horsley).

27. Macroglossa errans.

Macroglossa errans. Walker: viii. 96 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 529 (1876).

Type. Moreton Bay, in B. M.
a. Queensland. b. Australia. c. Cape York.

28. Macroglossa micacea.

Macroglossa micacea. Walker: viii. 96 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 529 (1876).

Type. Moreton Bay, in B. M.
a. Moreton Bay (2). b. Moreton Bay (Stevens).

29. Macroglossa gyrans.

Macroglossa gyrans. Walker: viii. 91 (1856).
——————— Boisd.: Spec. Gén. Lép. Het., p. 336 (1875).
——————— Butler: T. Z. S., Lond., ix. p. 524 (1876).
——————— Moore: Lep. Ceyl., ii. p. 30, pl. 93, fig. 1 (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 287.
——————— Cotes and Swinh.: Cat. Moths of India, i. 3. 13 (1887).

Macroglossa gyrans. Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 7 (1891).

Type. N. India, in B. M.

a. India. **b.** E. Indies (2). **c.** Cent. India (3).

30. Macroglossa vacillans. Pl. 1. f. 3.

Macroglossa vacillans. Walker: xxxi. 27 (1864).
——————— Butler: T. Z. S., Lond., ix. p. 528 (1876).

a. Timor (type) (Wallace).

Genus **RHODOSOMA.** Butler: T. Z. S., Lond., ix. p. 534 (1876).

31. Rhodosoma triopus.

Macroglossa triopus. Westw.: Cab. Or. Ent., p. 14, pl. 6, fig. 4 (1848).
——————— Walker: viii. 95 (1856).
Rhodosoma triopus. Butler: T. Z. S., Lond., ix. p. 534 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 7. 36 (1887).

a. Assam (type) (Jenkins). **b.** India.

Genus **GURELCA.** Kirby: Proc. Roy. Dublin Soc., 1879, p. 39.
Lophura. Walker: viii. 105 (1856); (nom. preoc., used twice in reptiles and birds), (1822 and 1844).

32. Gurelca masuriensis.

Lophura masuriensis. Butler: P. Z. S., Lond., 1875, p. 244, pl. 36, fig. 3.
——————— T. Z. S., Lond., ix. p. 537 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 7. 37 (1887).

Type. Masuri, N.-W. Himalayas, in coll. Moore.

a. India. **b.** Masuri (Hutton).

33. Gurelca hyas.

Lophura hyas. Walker: viii. 107 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 538, pl. 90, figs. 2, 3, larva and pupa (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 7. 40 (1887).

Type. Hong Kong in B. M.

a. Silhet (2). **b.** Assam (Jenkins). **c.** Java (Horsfield).

Sub-Family CHÆROCAMPINÆ.

Genus **ACOSMERYX.** Boisd.: Sp. Gén. Lép., p. 214 (1875).

34. Acosmeryx sericeus.

Philampelus sericeus. Walker: viii. 181 (1856).
Acosmeryx sericeus. Butler: T. Z. S., Lond., ix. p. 544 (1876).
——————— Ill. Typ. Lep. Het., B. M., v. p. 1, pl. 78, fig. 2 (1881).

Acosmeryx sericeus. Cotes and Swinh.: Cat. Moths of India, i. 8. 45 (1887).
Acosmeryx anceoides. Boisd.: Sp. Gén. Lép. Het., i. p. 216 (1875).

Type. Silhet, in B. M.
a. India (2). b. Assam (Jenkins).

35. Acosmeryx anceus.

Sphinx anceus. Cramer: Pap. Exot., iv. p. 124, pl. 355, fig. A (1781).
Enyo anceus. Hübner: Verz. Bek. Schmett., p. 132 (1816).
———— Walker: viii. 119 (1856).
Philampelus anceus. Moore: Cat. Lep. E. I. C., i. p. 270, pl. 9, figs. 4, 4*a*, larva and pupa (1857).
Acosmeryx anceus. Butler: T. Z. S., Lond., ix. p. 544, pl. 90, figs. 11 and 12, larva and pupa (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 8. 46 (1887).

a. India.

36. Acosmeryx mixtura. Pl. 1. f. 7.

Zonilia mixtura. Walker: xxxi. 34 (1864).
Acosmeryx mixtura. Butler: T. Z. S., Lond., ix. p. 545 (1876).

a. Aru (type) (Wallace).

37. Acosmeryx naga.

Philampelus naga. Moore: Cat. Lep. E. I. C., i. p. 271 (1857).
———— Walker: xxxi. 33 (1864).
Acosmeryx naga. Cotes and Swinh.: Cat. Moths of India, i. 9. 48 (1887).

Type. Sikkim, in B. M.
a. East Indies (Westwood). b. India (2).

38. Acosmeryx miskini.

Daphnusa miskini. R. P. Murray: Syst. Ent., i. pt. 7, p. 178 (Oct. 1873).
Acosmeryx miskini. Butler: T. Z. S., Lond., ix. p. 544 (1876).
———— Kirby: Trans. Ent. Soc., Lond., 1877, p. 234.

Type. Queensland, in B. M.
a. Moreton Bay. b. Queensland.

39. Acosmeryx cinerea.

Acosmeryx cinerea. Butler: P. Z. S., Lond., 1875, p. 245.
———— Ill. Typ. Lep. Het., B. M., v. p. 1, pl. 78, fig. 1 (1881).
———— Moore: Lep. Ceyl., ii. p. 24, pl. 89, fig. 2 imago, fig. 2*a* larva and pupa (1882).
———— Cotes and Swinh.: Cat. Moths of India, i. 8. 44 (1887).
Acosmeryx shervillii. Boisd.: Sp. Gén. Lép. Het., i. p. 216 (1875).
———— Butler: T. Z. S., Lond., ix. p. 631 (1876).

Type. Silhet, in B. M.
a. Darjiling. b. Silhet. c. India.

GENUS **AMPELOPHAGA**. Bremer and Grey, Beitr. Schm.:—Fauna nord China's, p. 11 (1853).

40. Ampelophaga rubiginosa.

Ampelophaga rubiginosa. Bremer and Grey: Beitr. Schm., Fauna nord China's, p. 11 (1853).
——————— Butler: T. Z. S., Lond., ix. p. 546, pl. 91, figs. 4 and 5, larva and pupa (1876).
Deilephila rubiginosa. Walker: viii. 173 (1856).
Chærocampa rubiginosa. Ménétriés: Enum. Corp. Anim., Mus. Imp. Acad. Sci. Petrop., ii. p. 91, pl. 12, fig. 2 (1857).

Type. China, in Mus. St. Petersburg.
a. Shantung, China (Janson).

GENUS **ELIBIA**. Walker: viii. 148 (1856).

41. Elibia dolichus.

Chærocampa dolichus. Westwood: Cab. Or. Ent., p. 61, pl. 30, fig. (1848).
Elibia dolichus. Walker: viii. 149 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 547 (1876).

a. Silhet (type). b. Silhet (Ashmol. Mus.). c. Singapore.
d. Cambodia, Siam (Mouhot).

GENUS **PERGESA**. Walker: viii. 149 (1856).

42. Pergesa velata.

Pergesa velata. Walker: xxxv. 1853 (1866).
——————— Butler: T. Z. S., Lond., ix. p. 548 (1876).
——————— Ill. Typ. Lep. Het., B. M., v. p. 3, pl. 78, fig. 5 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 10. 54 (1887).
Pergesa castor. Moore (nec. Walker): Cat. Lep. E. I. C., p. 273 (1857).

Type. Darjiling, in B. M.
a. India.

43. Pergesa acuta.

Zonilia acuta. Walker: viii. 195 (1856).
Pergesa (?) acuta. Butler: T. Z. S., Lond., ix. p. 547 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 9. 52 (1887).
Pergesa castor (part). Walker: viii. 153 (1856).

a. India (type). b. Silhet.

44. Pergesa acteus.

Sphinx acteus. Cramer: Pap. Exot., iii. p. 93, pl. 248, fig. A (1779).
Oreus acteus. Hübner: Verz. Bek. Schm., p. 136 (1816).

Pergesa acteus. Walker: viii. 153 (1856).
———— Moore: Cat. Lep. E. I. C., i. p. 272, pl. 10, figs. 1, 1 *a*, larva and pupa (1857).
———— Butler: T. Z. S., Lond., ix. p. 548 (1876).
———— Moore: Lep. Ceyl., ii. p. 23, pl. 88, figs. 1 and 1 *a* (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 288.
———— Cotes and Swinh.: Cat. Moths of India, i. 10. 53 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 162.
Chærocampa acteus. Boisd.: Sp. Gén. Lép. Het., i. p. 257 (1875).

a. Silhet (3). b. India. c. Assam (Jenkins). d. Java (Hearsay). e. Sarawak (Wallace).

Genus **PANACRA**. Walker: viii. 154 (1856).

45. Panacra vigil.

Sphinx vigil. Guer.: Delessart's Voy. dans l'Ind., pt. ii. p. 80, pl. 23, fig. 1 (1843).
Panacra vigil. Moore: Cat. Lep. E. I. C., i. p. 270 (1857).
———— Semper: Verhandl. Zool. Botan. Gessel., Wien, p. 699 (1867).
———— Butler: T. Z. S., Lond., ix. p. 551 (1876).
———— Moore: Lep. Ceyl., ii. p. 25, pl. 87, figs. 3, 3 *a*, 3 *b* imago, larva and pupa (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 287.
———— Cotes and Swinh.: Cat. Moths of India, i. 12. 71 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 163.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 15 (1891).
Sphinx phœnyx. Herr. Schaffer: Aus. Europ. Schm., pl. 83, fig. 478 (1858).
Anceryx phœnyx. Walker: xxxi. 36 (1864).
Panacra lignaria (part). Walker: viii. 156 (1856)

a. Ceylon. b. India (2). c. Kanara.

46. Panacra automedon.

Panacra automedon. Walker: viii. 54 (♀) (1856).
———— Cotes and Swinh.: Cat. Moths of India, i. 12. 65 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 163.
Agonyx automedon. Butler: Ill. Typ. Lep. Het., B. M., v. p. 6, pl. 79, fig. 1 (1881).
Panacra truncata. Walker: viii. 160 (♂) (1856).
———— Butler: T. Z. S., Lond., ix. p. 550 (1876).

Type. Silhet, in B. M.
a. Assam (Jenkins). b. Silhet (4).

47. Panacra mydon.

Panacra mydon. Walker: viii. 155 (1856).
———— Butler: T. Z. S., Lond., ix. p. 550 (1876).
———— Ill. Typ. Lep. Het., B. M., v. p. 5, pl. 78, fig. 9 (1881).

Panacra mydon. Cotes and Swinh.: Cat. Moths of India, i. 12. 66 (1887).
Panacra scapularis (part). Walker: viii. 157 (1856).

Type. Silhet, in B. M.
a. Silhet.

48. Panacra frena. n. sp.: Pl. 1. f. 5.

Above, rosy fawn colour suffused with brown, with dark brown transverse bands and patches in fore-wings, abdomen with some brown marks, and thorax brown; fore-wings with brown marks in the costa, a medial transverse very oblique band, from the hinder border before the middle, to the costa near the apex, composed of four or five sinuous lines on a dark ground, this dark colour extending on the hinder margin to the angle, the inner line of the band distinct and nearly straight, a brown angular patch on the outer margin, the apex of the angle touching the band above the centre, and a brown apical mark, some sinuous fine lines also between the band and the base all running parallel with the band.

Hind-wings brown, with a yellowish streak running inwards submarginally from the anal angle, underside fawn colour, palpi, face and pectus white, fore-wings with the basal two-thirds suffused with brown above the hinder marginal space, a discal brown band with two or three dentations outwards at the middle, and a submarginal brown patch as above. Hind-wings with three central transverse lines marked with spots as if dentated, and with an outer marginal band.

Expanse of wings, ♂ $1\frac{9}{10}$, ♀ $2\frac{1}{10}$ inches.

a. Silhet (type) 1 ♂, 2 ♀.

Allied to *Panacra mydon* (Boisd.); also a Silhet insect, and to *P. scapularis* (Horsf.) from Java, is smaller than either, is quite differently coloured, and has the bands and patches of a different pattern, the central band being less oblique and more compact, and the basal lines altogether different; though the three examples before me are good specimens, they are old ones, and the bodies are somewhat rubbed.

There are some examples of this species in the B. M. from Silhet, unnamed.

49. Panacra scapularis.

Panacra scapularis. Walker: viii. 157 (1856).
——— Moore: Cat. Lep. E. I. C., p. 269, pl. 9, figs. 5, 5*a*, larva (1857).
——— Semper: Verz. Zool.-bot. Ges. in Wien, xvii. p. 679 (1867).
——— Butler: T. Z. S., Lond., ix. p. 551 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 12. 70 (1887).

var. *Panacra elegantulus.* Herrich Schäffer: Aus. Europ. Schm., pl. 83, fig. 479 (1858).

Type. Java, in B. M.

a. Malacca (Wallace). b. Sarawak (Wallace). c. Philippine Islands.

50. Panacra variolosa. Pl. 1. f. 4.

Panacra variolosa. Walker: viii. 156 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 550 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 12. 69 (1887).

a. Silhet (type).

51. Panacra lignaria.

Panacra lignaria. Walker: viii. 156 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 551 (1876).
Charocampa phœnix. Koch (nec. H.-Sch.): Indo-Austral Lep. Fauna, ii. p. 53 (1873).

Type. Cape York, in B. M.

a. Philippines. b. Richmond River. c. Queensland. d. Manilla.

52. Panacra testacea.

Perigonia testacea. Walker: viii. 102 (♂) (1856).
——————— xxxi. 29 (1864).
Agonyx testacea. Moore: Lep. Ceyl., ii. p. 26, pl. 89, fig. 1 (1882).
Panacra testacea. Cotes and Swinh.: Cat. Moths of India, i. 11. 63 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 16 (1891).
Agonyx emilia. Boisd.: Sp. Gén. Lép. Het., p. 318, pl. 8, fig. 1 ♂ (1875).
Panacra ella. Butler: P. Z. S., Lond., 1875, p. 246.
——————— T. Z. S., Lond., ix. p. 550, pl. 92, fig. 7 ♀ (1876).

Type without locality in B. M.

Type ('ella'). Silhet in coll. Moore.

a. Nilgiri Hills.

53. Panacra busiris.

Panacra busiris. Walker: viii. 158 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 549 (1876).
——————— ——— Ill. Typ. Lep. Het., B. M., v. p. 6, pl. 79, fig. 2 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 11. 62 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 163.

Type. Silhet, in B. M.

a. India (2). b. Silhet (2).

54. Panacra mira. n. sp.: Pl. 1. f. 6.

Above, pinkish grey irrorated with brown atoms, palpi, head and thorax bright chesnut striped with pinkish grey on each side, a central band on the thorax, and a stripe on each side between the central and outer stripes of same colour; abdomen brownish, palest

at the base and sides, with a dorsal pale band and some silvery spots on each side on last four segments ; anal tuft small, brownish.

Fore-wings brownish on costal portions, with some blackish brown patches: a central broad, pale, very oblique band from the centre of the hinder margin to the apex, limited on its inner side by two brown lines close together, which bend up near the hinder margin, where there is a brown spot, and extend irregularly upwards to the costa; the band is limited on its outer side by a dark blackish brown band, which has dentations on its outer side along the veins, a sub-marginal angulated line with points on the angles, and a brown space on the hinder margin of the wing near the angle.

Hind-wings pinkish fawn colour, paling at the costal and abdominal spaces.

Underside, dark pinkish grey, pectus and thorax whitish, abdomen with some whitish lateral small spots, wings very uniform in colour, with a transverse post-medial line of brown points on the veins, and a dark marginal band nearly uniform in width.

Expanse of wings 2½ inches.

a. Cape York, N. Australia (type) (Higgins).

Allied to *P. insignis* (Butler), is a handsome insect.

55. Panacra (?) ochracea.

Calliomma ochracea. Walker: viii. 112 (1856).
Panacra (?) ochracea. Butler: T. Z. S., Lond., ix. p. 551 (1876).

a. Sumatra (type) (Wallace).

This insect is very closely allied to *Calliomma thorates* (Hübner), from the New World, and much resembles it in shape and pattern, and I think probably there has been some mistake as to its locality.

GENUS **CIZARA.** Walker: viii. 119 (1856).

56. Cizara ardeniæ.

Sphinx ardeniæ. Lewin: Prodr. Ent., iii. pl. 2 (1805).
Deilephila ardeniæ. Boisd.: Voy. de l'Astrolabe, Ent., p. 183 (1832–35).
Cizara ardeniæ. Walker: viii. 120 (1856).
———— Butler: T. Z. S., Lond., ix. p. 552 (1876).

a. Moreton Bay, Australia (2).

GENUS **CHÆROCAMPA.** Duponchel: Hist. Nat. Lep. Fr. Suppl. ii. p. 159 (1835).

57. Chærocampa macromera.

Chærocampa macromera. Butler: P. Z. S., Lond., 1875, p. 7.
———— T. Z. S., Lond., ix. p. 554 (1876).
———— Hammond: Ent., xiii. p. 280, var. of larva (1880).
———— Butler: Ill. Typ. Lep. Het., B. M., p. 7, pl. 79, fig. 3 (1881).

Chærocampa macromera. Kane: Ent., xv. p. 234, larva (1882).
———— Cotes and Swinh.: Cat. Moths of India, i. 14. 80 (1887).
Chærocampa elpenor, var. Walker: viii. 128 (1856).
Chærocampa rivularis. Boisd.: Sp. Gén. Lép. Het., p. 280 (1875).

Type. Silhet, in B. M.
a. Silhet.

58. Chærocampa suffusa.

Chærocampa suffusa. Walker: viii. 146 (1856).
———— Butler: T. Z. S., Lond., ix. p. 555 (1876).
———— Ill. Typ. Lep. Het., B. M., iii. p. 1, pl. 41, fig. 1 (1879).
———— Snellen: Tijd. Voor Ent., xxviii. p. 254, pl. 9, fig. 2 (1885).

Type. Hong Kong, in B. M.
a. Singapore (Wallace). b. Sarawak (Wallace). c. Penang (Ormerod). d. Silhet. e. Assam (Jenkins).

59. Chærocampa alecto.

Sphinx alecto. Linn.: Muss. Lud. Ulr., p. 357 (1764).
———— Drury: Ill. Exot. Ins., ii. p. 48, pl. 27, fig. 4 (1773).
———— Cramer: Pap. Exot., ii. p. 62, pl. 137, fig. D (1777).
Isoples alecto. Hübner: Verz. Bek. Schm., p. 135 (1816).
Deilephila alecto. Boisd.: Ind. Meth., p. 46 (1829).
Chærocampa alecto. Walker: viii. 130 (1856).
———— Butler: T. Z. S., Lond., ix. p. 555 (1876).
———— Aurivillius: Kongl. Sv. Vet. Akad. Handl., vol. 19, p. 138 (1882).
———— Cotes and Swinh.: Cat. Moths of India, i. 15. 83 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 17 (1891).
Sphinx cretica. Boisd.: Ann. Soc. Lin., Paris, vi. pt. 118, pl. 6, fig. 5 (1827).
Chærocampa cretica. Butler: P. Z. S., Lond., 1880, p. 411, pl. 39, fig. 8, larva.
———— Swinhoe: Trans. Ent. Soc., Lond., 1885, p. 346.

a. India (Hearsay). b. Bombay. c. Java (Horsfield). d. Canton. e. Greece (2).

60. Chærocampa pallicosta.

Chærocampa pallicosta. Walker: viii. 145 (1856).
———— Butler: T. Z. S., Lond., ix. p. 566 (1876).
———— Ill. Typ. Lep. Het., B. M., iii. p. 1, pl. 41, fig. 2 (1879).
———— Cotes and Swinh.: Cat. Moths of India, i. 20. 106 (1887).
Gnathothlibus pallicosta. Moore: Lep. Ceyl., ii. p. 21, pl. 84, fig. 6 (1882)

Type. Silhet, in B. M.
a. Silhet (2). b. Assam (Jenkins). c. Ceylon.

61. Chærocampa ignea.

Chærocampa ignea. Butler: P. Z. S., Lond., 1875, p. 10, pl. 1, fig. 4.
——————— T. Z. S., Lond., ix. p. 566 (1876).

Type. Moreton Bay, in B. M.
a. New South Wales (2). b. Port Essington.

62. Chærocampa scrofa.

Deilephila scrofa. Boisd.: Voy. de l'Astrolabe, Ent., p. 185 (1832–35).
Chærocampa scrofa. Walker: viii. 147 (1856).
——————— Butler: T. Z. S., Lond., ix. p. 566 (1876).
Deilephila porcia. Wallengren: Wien, Ent. Mon., iv. p. 42 (1860).
a. Australia (2). b. Australia (R. H. Codrington).

63. Chærocampa elegans.

Chærocampa elegans. Butler: P. Z. S., Lond., 1875, p. 8, pl. 2, fig. 1.
——————— T. Z. S., Lond., ix. p. 556 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 15. 84 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 163.
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 1. 18 (1891).

Type. Java, in B. M.
a. Java (Horsfield).

64. Chærocampa theylia.

Sphinx theylia. Linn.: Syst. Nat., 12. 803. 24 (1767).
Sphinx thyelia (sic). Fabr.: Sp. Ins., ii. 153. 60 (1781).
Isoples theylia. Hübn.: Verz. Bek. Schm., p. 135. 1455 (1816).
——————— Moore: Lep. Ceyl., ii. p. 19, pl. 84, fig. 5 (1882).
Chærocampa thyelia (sic). Moore: Cat. Lep. E. I. C., i. p. 276 (1857).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 288.
Chærocampa theylia. Butler: T. Z. S., Lond., ix. p. 556 (1876).
——————— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 388, pl. 15 (larva).
——————— Cotes and Swinh.: Cat. Moths of India, i. 15. 85 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 19 (1891).
Sphinx boerhaviæ. Fabr.: Sp. Ins., ii. 148. 39 (1781).
Sphinx pluto. Fabr.: Sp. Ins., ii. 148. 40 (1781).
Sphinx pinastrina. Martyn: Psyche, pl. 30, fig. 85 (1797).
Sphinx octopunctata. Gmel.: Sys. Nat., i. 5. 2386.
Chærocampa eson (part). Walker: viii. 137 (1856).

a. India (4) (Hearsay). b. Bengal. c. Bombay. d. Ceylon (2) (Thwaites).

65. Chærocampa rosetta. n. sp.

Above, palpi, head, and thorax, chesnut brown, with a whitish border on each side, abdomen reddish fawn colour, with reddish lateral stripes, fore-wings dark fawn colour, a fine brown point at end of cell, and a very oblique discal pale band from middle of hinder margin to apex, intersected by four brown lines, which curve

slightly outwards, also two sub-marginal lines which join the other lines at the apex, hind-wings red with a brown border and slightly paler at the anal angle.

Underside, face white, body and wings reddish fawn colour, tibiæ whitish above, wings with a brownish border, distorted on the fore-wings, and with some brownish striæ along costa and apex of both wings.

Expanse of wings $2\frac{3}{10}$ inches.

a. Ceram (type) (Wallace). **b.** Melville Island (Hope).

Allied to *C. theylia*, but is easily distinguishable by the absence of all the brown marks on the wings above and below.

66. Chærocampa rafflesii.

Chærocampa rafflesii. Butler: T. Z. S., Lond., ix. p. 556 (1876).
——— Swinhoe: P. Z. S., Lond., 1885, p. 289.
——— Cotes and Swinh.: Cat. Moths of India, i. 15. 86 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 163.
Isoples rafflesii. Moore: Lep. Ceyl., ii. p. 19, pl. 84, fig. 3 (1882).
Sphinx theylia. Cramer: Pap. Exot., iii. p. 58, pl. 226, fig. F (1779).

Type. Java, in B. M.

a. Sarawak (Wallace). **b.** Amboina (Wallace). **c.** Java. **d.** China. **e.** Ceylon. **f.** Kanara (3).

67. Chærocampa johanna.

Chærocampa johanna. Kirby: Trans. Ent. Soc., Lond., 1877, p. 241.
——— Waterhouse: Aid, i. pl. 36 (1881).

Type. Australia, in Dublin Mus.

a. Queensland. **b.** Queensland (Kirby).

68. Chærocampa celerio.

Sphinx celerio. Linn.: Syst. Nat., ed. xii. p. 800 (1767).
——— Cramer: Pap. Exot., ii. p. 42, pl. 125, fig. E (1775).
Hippotion celerio. Hübner: Verz. Bek. Schm., p. 135 (1816).
——— Moore: Lep. Ceyl., ii. p. 16, pl. 84, fig. 4 (1882).
Deilephila celerio. Stephens: Ill. Brit. Ent. Haust., i. p. 128 (1828).
Chærocampa celerio. Duponchel: Lep. France, Supp., ii. p. 159 (1835).
——— Walker: viii. 128 (1856).
——— Moore: Cat. Lep. E. I. C., i. p. 274, pl. 11, figs. 1, 1*a* (1857).
——— Boisd.: Sp. Gén. Lép. Het., i. p. 238 (1875).
——— Butler: T. Z. S., Lond., ix. p. 557 (1876).
——— Kirby: Ent. Mont. Mag., xiv. p. 185 (1877).
——— Green: Entomologist, xiv. p. 255 (1881).
——— Aurivillius: Vet. Akad. Handl. Stockholm, vol. 19, p. 139 (1882).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 388 (larva).
——— Swinhoe: P. Z. S., Lond., 1884, p. 513.
——— P. Z. S., Lond., 1885, p. 288.

Chærocampa celerio. Cotes and Swinh.: Cat. Moths of India, i. 16. 88 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 20 (1891).
Sphinx tisiphone. Linn.: Syst. Nat., ed. xii. p. 803 (1767).
Hippotion ocys. Hübner: Verz. Bek. Schm., p. 135 (1816).
Phalæna inquinalis. Harris: Ex., p. 93, pl. 28, fig. 1 (1781).

a. King George's Sound. b. New South Wales (2). c. India (2) (Hearsay). d. India (Hutton). e. India. f. Timor.

69. Chærocampa nessus.

Sphinx nessus. Drury: Ill. Ins. Exot., ii. p. 46, pl. 27, fig. 1 (1773).
——————— Cramer: Pap. Exot., iii. p. 58, pl. 226, fig. D (1779).
Chærocampa nessus. Walker: viii. 140 (1856).
——————— Moore: Cat. Lep. E. I. C., i. p. 276, pl. 11, fig. 2, 2 *a*, larva (1857).
——————— Butler: T. Z. S., Lond., ix. p. 565, larva and pupa (1876).
——————— Swinhoe: P. Z. S., Lond., 1884, p. 514.
——————— P. Z. S., Lond., 1885, p. 288.
——————— Cotes and Swinh.: Cat. Moths of India, i. 19. 105 (1887).
——————— Swinh.: Trans. Ent. Soc., Lond., 1889, p. 164.
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii., 2. 24 (1891).
Theretra nessus. Moore: Lep. Ceyl., ii. p. 22, pl. 86, fig. 1 (1882).
Sphinx equestris. Fabr.: Ent. Syst., iii. p. 365 (1793).
Theretra equestris. Hübner: Verz. Bek. Schm., p. 135 (1816).
Chærocampa rubicundus. Schaufuss: Nunquam Otiosus, i. p. 18 (1870).

a. Java (Horsfield). b. Sumatra (Wallace). c. Amboina (Wallace). d. Sylhet. e. Assam (Jenkins). f. India (Cantor).

70. Chærocampa minor.

Chærocampa minor. Butler: P. Z. S., Lond., 1875, p. 249.
——————— T. Z. S., Lond., ix. p. 562 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 19. 102 (1887).

Type. Masuri, in coll. Moore.
a. Laos, Siam (Mouhot).

71. Chærocampa insularis. n. sp.

Above, olive brown, a grey band on each side of palpi, head, and thorax, a large blackish brown spot on each side at base of abdomen, sides of abdomen greyish fawn colour, upper portion with some pale streaks, fore-wings with a largish blackish brown spot at end of cell, a brownish patch at the base, and six oblique bands rather darker than the colour of the wings, all from the hinder margin meeting at the apex, 1st and 4th most distinct, 1st from one third from the base, 2nd and 3rd close together, and closer to the 1st than to the 4th, 4th fairly separated, 5th and 6th at equal distances between each other and the margin.

Hind-wings blackish brown, with yellowish ground colour, showing especially on the costa and abdominal margin; underside yellowish fawn colour; wings irrorated with brown atoms and brown striæ, suffused with brown in the inner centre of fore-wings, with a faint brownish band from centre of abdominal margin of hind-wings to apex of fore-wings, and an indistinct discal row of dots.

Abdomen with small black spots on the sides on each segment.

Expanse of wings $3\frac{8}{10}$ inches.

a. Ceram (♀ type) (Wallace). b. Ké (♂ type) (Wallace).

Allied to the *C. lineosa* group, but differs from all of them in the disposition of the oblique bands on fore-wings.

The male from Ké has the third band, showing quite distinctly, in the type ♀ it is very indistinct, the ♀ is browner and darker than the ♂, the outer margin of hind-wings of the ♂ are also paler, but the bands are exactly similar and so is the underside.

72. Chærocampa japonica.

Chærocampa japonica. Boisd.: in De l'Orza's, Lep. Jap., p. 36 (1869).
——————— Butler: T. Z. S., Lond., ix. p. 560, pl. 91, figs. 7–9 (1876).

a. Japan.

73. Chærocampa marginata.

Chærocampa marginata. Kirby: Trans. Ent. Soc., Lond., 1887, p. 24.

Type. Queensland, in Mus. Dublin.
a. Australia.

74. Chærocampa silhetensis.

Chærocampa silhetensis. Walker: viii. 143 (1856).
——————— Butler: T. Z. S., Lond, ix. p. 560, pl. 92, fig. 8, larva and pupa (1876).
——————— ——— Ill. Typ. Let. Het., B. M., v. p. 8, pl. 79, fig. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 17. 93 (1887).
——————— Swinh.: Trans. Ent. Soc., Lond., 1889, p. 163.
Xylophanes pinastrina. Moore: Lep. Ceyl., ii. p. 18, pl. 87, fig. 2 (1882).

Type. Silhet, in coll. Templeton.
a. Silhet (2). b. Sarawak (Wallace).

75. Chærocampa intersecta.

Chærocampa intersecta. Butler: P. Z. S., Lond., 1875, p. 623.
——————— ——— T. Z. S., Lond., ix. p. 635 (1876).

Type. Queensland, in B. M.
a. Moreton Bay.

76. Chærocampa oldenlandiæ.

Sphinx oldenlandiæ. Fabr.: Sp. Ins., ii. p. 148 (1781).
Chærocampa oldenlandiæ. Walker: viii. 142 (1856).
——————— Moore: Cat. Lep. E. I. C., i. p. 278, pl. 2, figs. 4, 4 *a* (1857).
——————— Butler: T. Z. S., Lond., ix. p. 559, pl. 91, fig. 1 (1876).
——————— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 390 (larva).
——————— Swinhoe: P. Z. S., Lond., 1884, p. 514.
——————— Cotes and Swinh.: Cat. Moths of India, i. 16. 90 (1887).
——————— Swinh.: Trans. Ent. Soc., 1889, p. 163.
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 21 (1891).
Xylophanes oldenlandiæ. Moore: Lep. Ceyl., ii. p. 17, pl. 85, figs. 1, 1 *a* (1882).
Xylophanes gortys. Hübner: Sammel. Exot. Schm. Zutr., figs. 513, 514 (1816).
Chærocampa puellaris. Butler: P. Z. S., Lond., 1875, p. 623.
——————— Cotes and Swinh.: Cat. Moths of India, i. 17. 92 (1887).

a. India (3) (Hearsay). **b.** Central India (2). **c.** Canton, China. **d.** Melville Island (Hope). **e.** Manilla (Wallace). **f.** Aru (Wallace). **g.** Java (Horsfield). **h.** White Nile.

77. Chærocampa firmata.

Chærocampa firmata. Walker: viii. 148 (1856).
Chærocampa argentata. Butler: P. Z. S., Lond., 1875, p. 8, pl. 2, fig. 3.
——————— T. Z. S., Lond., ix. p. 559 (1876).
Deilephila oldenlandiæ. Boisd.: Voy. de l'Astrolabe, Ent., p. 184 (1832–35).
Chærocampa oldenlandiæ. Koch: Indo. Austral. Lep. Fauna, ii. p. 53 (1873).

Type. Australia, in B. M.
a. New South Wales (3). **b.** New Holland (M°Leay).

78. Chærocampa gonograpta.

Chærocampa gonograpta. Butler: P. Z. S., Lond., 1875, p. 249.
——————— T. Z. S., Lond., ix. p 562 (1876).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 289.
——————— Cotes and Swinh.: Cat. Moths of India, i. 19. 101 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 23 (1891).

Type. Bombay, in coll. Moore.
a. Nilgiri Hills. **b.** Kanara (2). **c.** Bombay.

79. Chærocampa clotho.

Sphinx clotho. Drury: Ill. Exot. Ins., ii. p. 48, pl. 28, fig. 1 (1773).
Chærocampa clotho. Walker, viii. 141 (1856).
——————— Semper: Ver. Zool.-botan. Ges. Wien, p. 700, pl. 23, figs. 3 *a*, 3 *b*, 3 *c* (1867).

Chærocampa clotho. Butler: T. Z. S., Lond., ix. p. 561 (1876).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 289.
——————— Cotes and Swinh.: Cat. Moths of India, i. 18. 98 (1887).
——————— Swinh.: Trans. Ent. Soc., Lond., 1889, p. 164.
——————— Hampson: Ill. Typ. Lep. Het., B.M., viii. 2. 22 (1891).
Hathia clotho. Moore: Lep. Ceyl., ii. p. 20, pl. 87, fig. 1 (1882).
Sphinx batus (var.). Fabr.: Ent. Syst., iii. p. 377 (1793).
Deilephila cyrene. Westwood: Cab. Or. Ent., p. 13, pl. 6, fig. 1 (1848).

Type. Cyrene Java, in coll. Westwood.
a. Ceylon. b. ? (Ashmol. Mus.).

80. Chærocampa comminuens.

Chærocampa comminuens. Walker: xxxi. 31 (1864).
——————— Butler: T. Z. S., Lond., ix. p. 561 (1876).

Type. Moreton Bay, in B. M.
a. New Holland (Hope). b. Queensland. c. Moreton Bay.
d. Aru (Wallace). e. Bourou (Wallace).

81. Chærocampa walduckii.

Chærocampa walduckii. Butler: Trans. Ent. Soc., Lond., 1877, p. 398.

Type. Australia, in B. M.
a. Batchian (Wallace). b. Ternate (Wallace).

82. Chærocampa amara, n. sp.: Pl. 1. f. 9.

Above, dark brown, a yellowish grey band on each side of the palpi, head and thorax; sides of the abdomen yellowish grey, and with a dark shade on each side above; fore-wings with a dark brown spot at end of cell, two dark brown very oblique straight bands, 1st from near hinder margin before the middle, 2nd at hinder margin one third from the angle, both terminating at apex, two faint bands parallel to the 1st and close to its outer side, two similar bands close outside the 2nd dark band before reaching the apex, between the bands the wing is slightly paler.

Hind-wings of a uniform blackish brown, much darker than the fore-wings, costal space pale, cilia of fore-wings dark brown, of the hind-wings yellowish grey.

Underside, ochreous fawn colour, pectus and abdomen pale, tibiæ and tarsi grey above, wings irrorated with brown atoms, and with a transverse discal line of brown dots on the veins; fore-wings saturated with brown except at the apex and disc.

Expanse of wings ♂ $3\frac{1}{2}$, ♀ $3\frac{8}{10}$ inches.

a. Mysol (♂ type) (Wallace). b. Amboyna (♀ type) (Wallace).

Allied to *C. comminuens* (Walker), and *C. walduckii* (Butler), larger than either, but can easily be distinguished by its dark oblique bands and by the absence of the discal row of brown spots on the veins.

83. Chærocampa lucasii.

Deilephila lucasii. Boisd.: MS.
Chærocampa lucasii. Walker: viii. 141 (1856).
——— Moore: Cat Lep. E. I. C., i. p. 277, pl. 11, figs. 3, 3 *a*, larva (1857).
——— Boisd.: Sp. Gén. Lép., p. 254 (1875).
——— Butler: T. Z. S., Lond., ix. p. 560 (1876).
——— Ill. Typ. Lep. Het., B. M., v. p. 8, pl. 79, fig. 5 (1881).
——— Swinhoe: P. Z. S., Lond., 1885, p. 289.
——— Cotes and Swinh.: Cat. Moths of India, i. 17. 95 (1887).
——— Swinh.: Trans. Ent. Soc., Lond., 1889, p. 164.
Hathia lucasii. Moore: Lep. Ceyl., ii. p. 20, pl. 86, fig. 3 (1882).

Type. North India, in B. M.

a. Java (Horsfield). **b.** Java (Kirby). **c.** Sarawak (Wallace). **d.** Silhet. **e.** ? (Ashmol. Mus.).

84. Chærocampa eras.

Deilephila eras. Boisd.: Voy. de l'Astrolabe, Ent., p. 185 (1832–35).
——— Feisthamel: Mag. de Zool. Ins., pl. 21, fig. 2 (1839).
Darapsa eras. Walker: viii. 186 (1856).
Chærocampa eras. Butler: T. Z. S., Lond., ix. p. 567 (1876).

a. Sydney (3). **b.** Australia (Codrington).

GENUS **DEILEPHILA**. Osch.: Eur. Schm., iv. p. 42 (1816).

85. Deilephila euphorbioides. n. sp.

Above, body chocolate brown, palpi, head and thorax with a white band on each side, abdomen with two square black spots on the sides before the middle, and white bands beneath them, as in *D. euphorbiæ* (Linn.); fore-wings with a pale pinkish grey, slightly sinuous stripe from the centre of the hinder margin to the apex, outside this the colour is of a uniform dark chocolate brown, on the other side the wing is mostly grey, with indistinct darker spaces, corresponding to the patches in *D. euphorbiæ*, costa brownish, and a brown spot at the end of the cell.

Hind-wings red, a white space at the end of the abdominal margin, a black basal band with a re-curved outer margin as in *D. biguttata* (Walker), a black sub-marginal thin band, and the marginal space beyond pinkish grey.

Underside, dull grey, with a faint pinkish suffusion, striated with darker grey in the basal costal and outer marginal portions of both wings: darkest on fore-wings, palpi, face and pectus whitish, legs grey.

Expanse of wings 3 inches.

a. Japan (type).

Intermediate between *D. biguttata* (Walker), from Africa, and *D. euphorbiæ* (Linn.) from Europe, nearest to the latter in the pattern

of the fore-wings, and to the former in the pattern of the hind-wings and colouration markings on the abdomen; this species is marked n. sp. Walker 9/66.

86. Deilephila livornica.

Sphinx livornica. Esper.: Ausl. Schm., ii. pp. 87, 196, pl. 8, fig. 4 (1785).
Phryxus livornica. Hübn.: Verz. Bek. Schm., p. 137 (1816).
Deilephila livornica. Stephens: Cat. Brit. Lep., B. M., pt. 1, pl. 28 (1850).
—— —— Walker: viii. 164 (1856).
—— —— Butler: T. Z. S., Lond., ix. p. 568 (1876).
—— —— Swinhoe: P. Z. S., Lond., 1884, p. 513.
P. Z. S., Lond., 1885, p. 287.
—— —— Trans. Ent. Soc., Lond., 1885, p. 346.
—— —— Bignell: Entomologist, v. pp. 169, 180, 214, larva (1870).
—— —— Hellins: Ent. Month. Mag., vii. p. 99, larva.
—— —— Cotes and Swinh.: Cat. Moths of India, i. 20. 109 (1887).
Sphinx lineata. Fabr.: Sp. Ins., ii. p. 147 (1781).
Sphinx kochlini. Fuessly: Arch. Ins. Gesch., p. 10, pl. 33, figs. 1-6, larva (1794).

a. China (3). b. India (Hearsay). c. India (6).

Genus **DAPHNIS.** Hübn.: Verz. Bek. Schm., p. 134 (1816).

87. Daphnis nerii.

Sphinx nerii. Linn.: Syst. Nat., i. 2, p. 798 (1767).
—— —— Cramer: Pap. Exot., iii. p. 51, pl. 224, fig. D (1779).
Daphnis nerii. Hübner: Verz. Bek. Schm., p. 134 (1816).
—— —— Moore: Cat. Lep. E. I. C., i. p. 272, pl. 10, figs. 3, 3 *a*, larva (1857).
—— —— Walker: viii. 138 (1856).
—— —— Butler: T. Z. S., Lond., ix. p. 572 (1876).
—— —— P. Z. S., Lond., 1881, p. 613 (note), larva and pupa.
—— —— Moore: Lep. Ceyl., ii. p. 14, pl. 82, figs. 1, 1 *a* (1882).
—— —— Swinhoe: P. Z. S., Lond., 1884, p. 513.
—— —— P. Z. S., Lond., 1885, p. 288, larva.
—— —— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 390, pl. 15, larva and pupa.
—— —— Cotes and Swinh.: Cat. Moths of India, i. 21. 112 (1887).
—— —— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 25 (1891).
Deilephila nerii. Boisd.: Fauna, Ent. de Madag., p. 74 (1833).
Chærocampa nerii. Curtis: Brit. Ent., xiii. pl. 626 (1837).

a. India (6). b. Namaqua Land (Stone).

88. Daphnis hypothoüs.

Sphinx hypothoïs. Cramer: Pap. Exot., iii. p. 165, pl. 285, fig. D (1780).
Daphnis hypothoüs. Hübn.: Verz. Bek. Schm., p. 134 (1816).
—— —— Butler: T. Z. S., Lond., ix. p. 572 (1876).
—— —— Cotes and Swinh.: Cat. Moths of India, i. 21, 113 (1887).

Daphnis hypothoïs. Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 26 (1891).
Darapsa hypothoïs (part). Moore: Cat. Lep. E. I. C., p. 271, pl. 10, figs. 2, 2 *a*, larva (1857).
———— Moore: Lep. Ceyl., ii. p. 15, pl. 83, figs. 1, 1 *a* (1882).
Chærocampa hypothoïs. Boisd.: Sp. Gén. Lép. Het., p. 226 (1875).

a. India. **b.** Assam (Jenkins). **c.** Nepaul (Janson). **d.** Ceylon (Moseley). **e.** Ceylon (2). **f.** Amboina (Wallace).

89. Daphnis magnifica.

Daphnis magnifica. Butler: Ann. Mag. N. H. (4), ix. p. 461 (1877).

Type. Queensland, in B. M.

a. New Guinea (Wallace).

90. Daphnis placida. Pl. 1. f. 8.

Darapsa placida. Walker: viii. 186 (1856).
Daphnis placida. Butler: T. Z. S., Lond., ix. p. 573 (1876).

a. Samatra (type) (Wallace). **b.** Java (2) (Horsfield).

91. Daphnis bhaga.

Daphnis bhaga. Moore: P. Z. S., Lond., 1865, p. 794.
———— Butler: T. Z. S., Lond., ix. p. 573 (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 22. 115 (1887).

Type. N.-E. Bengal, in coll. Moore.

a. Darjiling (Higgins). **b.** India. **c.** Singapore (Horsley).

Sub-Family AMBULICINÆ.

Genus **AMBULYX.** Walker: viii. 120 (1856).

92. Ambulyx canescens.

Basiana? canescens. Walker: xxxi. 38 (1864).
Ambulyx canescens. Butler: T. Z. S., Lond., ix. p. 581 (1876).

a. Laos, Siam (type) (Mouhot).

93. Ambulyx rubricosa.

Ambulyx rubricosa. Walker: viii. 122 (1856).
———— Butler: T. Z. S., Lond., ix. p. 582 (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 23. 127 (1887).
Basiana superba. Moore: P. Z. S., Lond., 1865, p. 793.

a. India (type). **b.** India.

94. Ambulyx tatarinovii.

Ambulyx tatarinovii. Bremer: Nord China Schm., p. 13 (1853).

Type. China, in Mus. St. Petersburg.

a. Japan (2). **b.** N. China.

95. Ambulyx semifervens.

Basiana semifervens. Walker: xxxi. 38 (1864).
——— Butler: T. Z. S., Lond., ix p. 596 (1876).

a. Ternate (type) (Wallace).

96. Ambulyx thwaitesii.

Ambulyx thwaitesii. Moore: Lep. Ceyl., ii. p. 11, pl. 80, figs. 2, 2 *a*, 2 *b* (1882).
——— Cotes and Swinh.: Cat. Moths of India, i. 24. 129 (1887).

Type. Ceylon, in B. M.

a. China.

The ♂ example is exactly the same as Moore's type (a male) from Ceylon, in the B. M., and is hardly separable from Walker's type (a female) of *A. semifervens* from Ternate.

97. Ambulyx substrigilis.

Sphinx (Ambulyx) substrigilis. Westw.: Cab. Or. Ent., p. 61, pl. 30, fig. 2 (1848).
Ambulyx substrigilis. Walker: viii. 122 (1856).
——— Butler: T. Z. S., Lond., ix. p. 579 (1876).
——— Moore: P. Z. S., Lond., 1878, p. 844.
——— Cotes and Swinh.: Cat. Moths of India, i. 22. 118 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 164.

Type. Silhet, in B. M.

a. India (2).

98. Ambulyx liturata.

Ambulyx liturata. Butler: P. Z. S., Lond., 1875, p. 250.
——— T. Z. S., Lond., ix. p. 580, pl. 91, figs. 2, 3, larva (1876).

Type. India, in coll. Moore.

a. Assam (Jenkins).

99. Ambulyx maculifera.

Ambulyx maculifera. Walker: xxxv. 1851 (1866).
——— Butler: T. Z. S., Lond., ix. p. 580 (1876).
——— Ill. Typ. Lep. Het., B. M., v. p. 10, pl. 80, fig. 3 (1881).
——— Cotes and Swinh.: Cat. Moths of India, i. 22. 119 (1887).

Type. Darjiling, in B. M.

a. India.

100. Ambulyx turbata.

Ambulyx turbata. Butler: P. Z. S., Lond., 1875, p. 252.
——— T. Z. S., Lond., ix. p. 580, pl. 93, fig. 7 (1876).
——— Moore: Lep. Ceylon, ii. p. 12, pl. 80, fig. 1 (1882).

Ambulyx turbata. Swinhoe: P. Z. S., Lond., 1885, p. 289.
———— Cotes and Swinh.: Cat. Moths of India, i. 23. 124 (1887).

Type. Darjiling, in coll. Moore.
a. Upper India (Drinkwater). **b.** New Guinea (Wallace).

The latter bears Walker's MS. name 'annulifera,' but it is true 'turbata,' and has been compared with the type in B. M.

Sub-Family SMERINTHINÆ.

Genus **CYPA.** Walker: xxxi. 41 (1864).

101. Cypa decolor.

Smerinthus decolor. Walker: viii. 255 (1856).
———— Schaufuss: Nunquam Otiosus, i. p. 14 (1871).
Mimas decolor. Butler: T. Z. S., Lond., ix. p. 583 (1876).
Cypa decolor. Moore: Journ. As. Soc. Beng., vol. 55, pt. 2, p. 97 (1886).
———— Cotes and Swinh.: Cat. Moths of India, i. 24. 131 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 164.
Cypa incongruens. Butler: Ill. Typ. Lep. Het., B. M., v. p. 12, pl. 80, figs. 8, 9 (1881).
———— Cotes and Swinh.: Cat. Moths of India, i. 13. 77 (1887).

Type of *incongruens* from Darjiling, in B. M.
a. India (♂, ♀ types).

Genus **POLYPTYCHUS.** Hübn.: Verz. Bek. Schm., p. 141 (1816).

102. Polyptychus dentatus.

Sphinx dentata. Cramer: Pap. Exot., ii. p. 42, pl. 125, fig. G (1777).
Polyptychus dentatus. Hübner: Verz. Bek. Schm., p. 141 (1816).
———— Butler: T. Z. S., Lond., ix. p. 583, pl. 91, fig. 10 (1876).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 395 (larva).
———— Swinhoe: P. Z. S., Lond., 1885, p. 290.
———— Cotes and Swinh.: Cat. Moths of India, i. 24. 132 (1887).
Smerinthus dentatus. Walker: viii. 252 (1856).

a. Bombay. **b.** India. **c.** Bengal (2). **d.** India (Hearsay).

Genus **TRIPTOGON.** Bremer: Bull. de l'Acad. Imp., St. Pétersb., iii. (1861).

103. Triptogon complacens.

Smerinthus complacens. Walker: xxxi. 40 (1864) ♂.
Triptogon complacens. Butler: T. Z. S., Lond., ix. p. 588 (1876).
———— Ill. Typ. Lep. Het., B. M., iii. p. 2, pl. 41, fig. 4 (1879).

Smerinthus dyras (var.). Walker: viii. 251 (1856) ♀.

Type. Amoy, in B. M.

a. Japan (2).

104. Triptogon indica.

Smerinthus indicus. Walker: viii. 254 (1856).

Triptogon indica. Butler: T. Z. S., Lond., ix. p. 588 (1876).

——————— Ill. Typ. Lep. Het., B. M., v. p. 13, pl. 81, fig. 2 (1881).

——————— Cotes and Swinh.: Cat. Moths of India, i. 27. 150 (1887).

Type. N. India, in B. M.

a. India (Hearsay).

105. Triptogon gaschkevitschii.

Smerinthus gaschkevitschii. Bremer: Beitr. Schm. Faun, Nord China's, p. 13 (1853).

——————— Ménétriés, Enum. Corp. Anim. Mus. Imp. Acad. Sci. Petrop., ii. p. 94, pl. 13, fig. 4 (1857).

——————— Walker: xxxi. 40 (1864).

Triptogon gaschkevitschii. Butler: T. Z. S., Lond., ix. p. 588 (1876).

Type. China, in Mus. St. Petersburg.

a. Shangtung (China), (2), (Jansen).

106. Triptogon dyras.

Smerinthus dyras. Walker: viii. 250 (1856).

Triptogon dyras. Butler: T. Z. S., Lond., ix. p. 586 (1876).

——————— Cotes and Swinh.: Cat. Moths of India, i. 26. 140 (1887).

Marumba dyras. Moore: Lep. Ceyl., ii. p. 9, pl. 78, figs. 1, 1 *a*, 1 *b*, 1 *c*, imago, larva, and pupa (1882).

Type. Ceylon, in coll. Templeton.

a. India. b. Assam (Jenkins).

107. Triptogon albicans.

Triptogon albicans. Butler: P. Z. S., Lond., 1875, p. 254.

——————— T. Z. S., Lond., ix. p. 586, pl. 93, fig. 6 (1876).

——————— Cotes and Swinh.: Cat. Moths of India, i. 25. 139 (1887).

Type. Masuri, in coll. Moore.

a. India (Hutton).

108. Triptogon sperchius.

Smerinthus sperchius. Mén.: Enum. Corp. Anim. Mus. Imp. Acad. Sci. Petrop., ii. p. 137, pl. 13, fig. 5 (1857).

Triptogon sperchius. Butler: T. Z. S., Lond., ix. p. 586 (1876).

Smerinthus dryas. Boisd.: (nec. dyras (sic) Walker) in De l'Orza's Lep. Jap., p. 37 (1869).

a. Japan (Wallace).

109. Triptogon spectabilis.

Triptogon spectabilis. Butler: P. Z. S., Lond., 1875, p. 256.

——————— T. Z. S., Lond., ix. p. 588, pl. 93, fig. 1 (1876).

Triptogon spectabilis. Cotes and Swinh.: Cat. Moths of India, i. 27. 147 (1887).

Type. Darjiling, in coll. Moore.
a. India.

110. Triptogon ceylonica.

Triptogon ceylonica. Butler: P. Z. S., Lond., 1875, p. 255.
——— T. Z. S., Lond., ix. p. 587 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 26. 141 (1887).
Marumba ceylonica. Moore: Lep. Ceyl., ii. p. 9, pl. 97, fig. 2 (1882).
Smerinthus dyras ♂. Walker: viii. 250 (1856).

Type. Ceylon, in B. M.
a. Laos, Siam (Mouhot).

GENUS **DAPHNUSA**. Walker: viii. p. 237 (1856).

111. Daphnusa ocellaris.

Daphnusa ocellaris ♂. Walker: viii. 238 (1856).
— ——— Butler: T. Z. S., Lond., ix. p. 596 (1876).
Daphnusa orbifera ♀. Walker: Journ. Linn. Soc., vi. p. 85 (1862).
——— xxxi. 39 (1864).
——— Butler: T. Z. S., Lond., ix. p. 594 (1876).

Type. Borneo, in B. M.
a. Sarawak (Wallace). b. Singapore (Horsley). c. Sarawak (type of 'orbifera') (Wallace).

112. Daphnusa colligata.

Daphnusa colligata. Walker: viii. 238 (1856).
——— Butler: T. Z. S., Lond., ix. p. 594 (1876).

Type. N. China, in B. M.
a. North China.

GENUS **LEUCOPHLEBIA**. Westwood: Cab. Or. Ent., p. 46 (1848).

113. Leucophlebia lineata.

Leucophlebia lineata. Westwood: Cab. Or. Ent., p. 46, pl. 22, fig. 2 (1848).
——— Walker: ix. 136 (1856).
——— Moore: Cat. Lep. E. I. C., i. p. 65, pl. 8, fig. 5, larva (1857).
——— Butler: T. Z. S., Lond., ix. p. 594 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 28. 153 (1887).

a. Flores (Wallace). b. India. c. Assam (♂ ♀ types) (Jenkins).

114. Leucophlebia emittens.

Leucophlebia emittens. Walker; xxxv. 1858 (1866).
——— Butler: T. Z. S., Lond., ix. p. 595 (1876).
——— Cotes and Swinh.: Cat. Moths of India, i. 28. 156 (1887).

Type. India, in B. M.
a. Bombay.

GENUS **CLANIS**. Hübn.: Verz. Bek. Schm., p. 138 (1816).
Basiana. Walker: viii. p. 236 (1856).

115. Clanis exusta.

Basiana exusta. Butler: P. Z. S., Lond., p. 252 (1875).
———— T. Z. S., Lond., ix. p. 595, pl. 93, fig. 4 (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 29. 162 (1887).

Type. Kunawar, in coll. Moore.
a. India. b. India (2) (Hutton).

116. Clanis deucalion.

Basiana deucalion ♂. Walker: viii. 236 (1856).
———— Butler: T. Z. S., Lond., ix. p. 595 (1876).
Clanis deucalion. Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 394 (larva).
———— ———— Cotes and Swinh.: Cat. Moths of India, i. 29. 158 (1887).
Basiana bilineata ♀. Walker: xxxv. 1857 (1866).
———— Butler: T. Z. S., Lond., ix. p. 595 (1876).
Clanis bilineata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 14, pl. 81, fig. 4 (1881).
———— Cotes and Swinh.: Cat. Moths of India, i. 29. 159 (1887).

Type ('deucalion'). North India, in B. M.
Type ('bilineata'). Darjiling, in B. M.
a. India (Hutton). b. India. c. Shangtung, China (Jansen).

117. Clanis cervina.

Basiana cervina. Walker: viii. 237 (1856).
———— Butler: T. Z. S., Lond., ix. 596 (1876).
Clanis cervina. Butler: Ill. Typ. Lep. Het., B. M., v. p. 15, pl. 81, fig. 6 (1881).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 393, pl. 15, figs. 1, 2 (larva).
———— Cotes and Swinh.: Cat. Moths of India, i. 29. 160 (1887).

Type. N. India, in B. M.
a. Bengal (2). b. India. c. India (Hearsay).

118. Clanis phalaris.

Sphinx phalaris. Cramer: Pap. Exot., ii. p. 83, fig. A (1777).
Clanis phalaris. Hübner: Verz. Bek. Schm., p. 138 (1816).
———— Cotes and Swinh.: Cat. Moths of India, i. 29. 163 (1887).
Cæquosa phalaris. Walker: viii. 258 (1856).
Basiana phalaris. Butler: T. Z. S., Lond., ix. p. 596 (1876).
Sphinx pagana. Fabr: Sp. Ins., 2, p. 146 (1781).
Basiana cervina (part). Walker: viii. 237 (1856).
Clanis nicobariensis. Schwarz: Beytr., 1, p. 1.
— ———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 14 (note) (1881).

Type ('pagana'). India, in B. M.
a. Kanara. b. Bombay. c. India.

119. Clanis orneus.

Sphinx orneus. Westwood: Cab. Or. Ent., p. 13, pl. 6, fig. 3 (1848).
———— Cotes and Swinh.: Cat. Moths of India, i. 34. 183 (1887).

a. Central India (♂ ♀ types) (Hearsay).

GENUS **CŒQUOSA.** Walker: viii. p. 256 (1856).

120. Cœquosa triangularis.

Sphinx triangularis. Donovan: Ins. New Holland, pl. 33, fig. 2 (1805.)
Acherontia triangularis. Boisd.: Voy. de l'Astrolabe, Ent., p. 181 (1832–35).
Cœquosa triangularis. Walker: viii. 257 (1856).
———— Butler: T. Z. S., Lond., ix. p. 597 (1876).
Sphynx castaneus. Perry: Arcana or Mus. Nat. Hist., i. (1811).

a. Australia. b. Moreton Bay. c. New South Wales.

SUB-FAMILY ACHERONTIINÆ.

GENUS **ACHERONTIA.** Hübner: Verz. Bek. Schm., p. 139 (1816).

121. Acherontia styx.

Acherontia styx. Westwood: Cab. Or. Ent., p. 88, pl. 42, fig. 3 (1848).
———— Moore: Cat. Lep. E. I. C., i. p. 266 (1857).
———— Butler: T. Z. S., Lond., ix. p. 597 (1876).
———— Moore: Lep. Ceyl., ii. p. 7, pl. 76, figs. 1, 1 *a*, 1 *b*, 1 *c*, imago and larva (1882).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 392 (larva).
———— Swinhoe: P. Z. S., Lond., 1885, p. 290.
———— Cotes and Swinh.: Cat. Moths of India, i. 30. 164 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 28 (1891).
Acherontia atropos (part). Walker: viii. 233 (1856).
Acherontia medusa. Butler: T. Z. S., Lond., ix. p. 597, pl. 92, fig. 10, larva (1876).
———— Ill. Typ. Lep. Het., B. M., iii. p. 3, pl. 41, fig. 5 (1879).
———— Cotes and Swinh.: Cat. Moths of India, i. 30. 165 (1887).

Type. Medusa, Japan, in B. M.

a. India (♂, ♀ types) (Hearsay). b. India. c. Bengal. d. Patch, Siam (Mouhot). e. Cambodia, Siam (Mouhot). f. Hong Kong (Champion). g. Canton. h. Sarawak (Wallace). i. Makessar Celebes (Wallace). j. Timor (Wallace). k. Japan (Wallace).

122. Acherontia morta.

Acherontia morta. Hübner: Verz. Bek. Schm., p. 140 (1816).
———— Butler: T. Z. S., Lond., ix. p. 598, pl. 92, fig. 9, larva (1876).
———— Swinhoe: P. Z. S., Lond., 1885, p. 290.

Acherontia morta. Cotes and Swinh.: Cat. Moths of India, i. 30. 166 (1887).
—— —— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 164.
—— —— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2 29 (1891).
Sphinx atropos. var. Cramer: Pap. Exot., iii. p. 74, pl. 237, fig. A (1779).
—— —— Grey: Cuvier's Anim. Kingd., pl. 137, fig. 4 (1832).
? *Sphinx lachesis.* Fabr.: Ent. Syst. Suppl., p. 434 (1798), Nos. 26 and 27.
Acherontia lachesis. Moore: Lep. Ceyl., ii. p. 6, pl. 77, figs. 1, 1 *a*, 1 *b*, 1 *c*, larva (etc.) (1882).
Acherontia satanas. Boisd.: Sp. Gén. Lép. Pap., pl. 16, fig. 1 (1836).
—— —— Moore: Cat. Lep. E. I. C., i. p. 267, pl. 9, figs. 2, 2 *a*, larva (1857).
—— —— Boisd.: Sp. Gén. Lép. Het., p. 7 (1875).
—— —— Snellen: Tijd. Voor Ent. xx. p. 4 (1877).
Acherontia lethe. Westwood: Cab. Or. Ent., p. 87, pl. 42, fig. 2 (1848).
—— —— Walker: viii. 235 (1856).

a. India (type ♀ of lethe) (Hearsay). b. Bengal. c. India. d. ? (Ashmol. Mus.). e. Travancore. f. Laos, Siam (Mouhot). g. Penang (Kirby).

Sub-Family SPHINGINÆ.

Genus **PROTOPARCE.** Burmeister: Abhandl. naturf. Gesell., Halle, p. 63 (1855).

123. Protoparce orientalis.

Protoparce orientalis. Butler: T. Z. S., Lond., ix. p. 609, pl. 91, figs. 16, 17 (1876).
—— —— Moore: Lep. Ceyl., ii. p. 5, pl. 75, figs. 1, 1 *a–e*, imago, etc. (1882).
—— —— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 391 (larva).
—— —— Swinhoe: P. Z. S., Lond., 1885, p. 289.
—— —— Cotes and Swinh.: Cat. Moths of India, i. 31. 167 (1887).
—— —— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 164.
—— —— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 30 (1891).
Sphinx convolvuli. Moore: Cat. Lep. E. I. C., i. p. 267, pl. 9, figs. 3, 3 *a*. larva (1857).

Type Hakodadi. Japan, in B. M.

a. India (3) (Hearsay). b. India (2). c. India (Hutton). d. Lombock. e. Macassar Celebes (Wallace). f. Ternate (Wallace). g. China.

124. Protoparce distans.

Protoparce distans. Butler (convolvuli, var.): Lep. New Zeal., in Voy. 'Erebus' and 'Terror,' i. p. 30, pl. 9, fig. 11 (1874).

Protoparce distans. Butler: T. Z. S., Lond., ix. p. 609 (1876).
Sphinx convolvuli (part). Boisd.: Voy. de l'Astrolabe, p. 187 (1832–35).
——————— Walker: viii. 212 (1856).
Sphinx roseafasciata. Scott: (cit. Koch) Indo-Austral. Lep. Fauna, p. 54 (1873).

Type. New Zealand, in B. M.
a. Australia. b. Queensland.

Genus **PSEUDOSPHINX**. Burmeister: Abhandl. naturf. Gesell., Halle, p. 65 (1855).

125. Pseudosphinx nyctiphanes.

Macrosila nyctiphanes. Walker: viii. 209 (1856).
Pseudosphinx nyctiphanes. Butler: T. Z. S., Lond., ix. p. 610 (1876).
——————— Ill. Typ. Lep. Het., B. M., v. p. 15, pl. 81, fig. 7 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 31. 169 (1887).

Type. Silhet, in B.M.
a. Silhet (3). b. ? (Ashmol. Mus.) c. Singapore (Horsley).

126. Pseudosphinx inexacta.

Macrosila inexacta. Walker: viii. 208 (1856).
Pseudosphinx inexacta. Butler: T. Z. S., Lond., ix. p. 611 (1876).
——————— Ill. Typ. Lep. Het., B. M., v. p. 16, pl. 81, fig. 8 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 31. 170 (1887).

Type. N. India, in B. M.
a. India.

127. Pseudosphinx luctifera.

Macrosila luctifera. Walker: xxxi. 35 (1864).
Pseudosphinx ? luctifera. Butler: T. Z. S., Lond., ix. p. 610 (1876).

a. New Guinea (type) (Wallace). b. Ceram (Wallace). c. Dorey (Wallace). d. Morty (Wallace).

128. Pseudosphinx fo.

Zonilia fo. Walker: viii. 195 (1856).
Dolba fo. Butler: T. Z. S., Lond., ix. p. 612 (1876).
Pseudosphinx fo. Butler: Ill. Typ. Lep. Het., B. M., v. p. 16, pl. 81, fig. 9 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, i. 33. 172 (1887).

Type. N. India, in B. M.
a. India (Hutton).

GENUS **DILUDIA**. Grote and Robinson: Proc. Ent. Soc. Phil., v. p. 188 (1865).

129. Diludia melanomera.

Diludia melanomera. Butler: P. Z. S., Lond., 1876, p. 13.
——————— T. Z. S., Lond., ix. p. 615, pl. 94, fig. 4 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, i. 33. 177 (1887).

Type. Silhet, in B. M.
a. Berhampore (Minchin). b. Silhet. c. Singapore (Horsley). d. ? (Ashmol. Mus.).

130. Diludia discistriga.

Macrosila discistriga. Walker: viii. 209 (1856).
——————— Moore: Cat. Lep. E. I. C., i. p. 261 (1857).
Meganoton discistriga. Boisd.: Sp. Gén. Lép. Het., p. 59 (1875).
Diludia discistriga. Butler: T. Z. S., Lond., ix. p. 615 (1876).
——————— Ill. Typ. Lep. Het., B. M., iii. p. 3, pl. 41, fig. 6 (1879).
——————— Moore: Lep. Ceyl., ii. p. 3, pl. 73, figs. 1, 1 *a*, 1 *b*, imago, etc. (1882).
——————— Cotes and Swinh.: Cat. Moths of India, i. 52. 176 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 31 (1891)

Type. Hong Kong, in B. M.
a. China. b. Ganjam (Minchin). c. Silhet. d. Burmah.

131. Diludia rubescens.

Diludia rufescens (sic). Butler: P. Z. S., Lond., 1875, p. 260.
Diludia rubescens. Butler: T. Z. S., Lond., ix. p. 615 (1876).
——————— Cotes and Swinh.: Cat. Moths of India, i. 33. 178 (1887).

Type. N. India, in coll. Moore.
a. Silhet.

132. Diludia macromera.

Diludia macromera. Butler: Ann. Mag. N. H., (5), x. p. 435 (1882).

Type. Sarawak, in B. M.
a. Ceylon.

133. Diludia increta.

Anceryx increta. Walker: xxxi. 36 (1864).
Diludia increta. Butler: T. Z. S., Lond., ix. p. 615 (1876).
——————— Ill. Typ. Lep. Het., B. M., iii. p. 4, pl. 41, fig. (1879).

Type. Shanghai, in B. M.
a. Assam (Jenkins).

134. Diluidia casuarinæ.

Macrosila casuarinæ. Walker: viii. 210 (1856).
Diluidia casuarinæ. Butler: T. Z. S., Lond., ix. p. 615 (1876).

Type. Sidney, in B. M.
a. Australia (2) (Codrington). b. New South Wales (2). c. Moreton Bay.

135. Diluidia vates.

Diluidia vates. Butler: P. Z. S., Lond., 1875, p. 13 (♂).
———— T. Z. S., Lond., ix. p. 616, pl. 91 gs. 18, 19, larvæ (1876).
———— Moore: Lep. Ceyl., ii. p. 3, pl. 74, figs. 1, 1 *a* (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 289.
———— Cotes and Swinh.: Cat. Moths of India, i. 33. 180 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 165.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 32 (1891).
Macrosila discistriga (part). Walker: viii. 209 (1856).
Anceryx pinastri (?). Walker: viii. 223 (1856).
Diluidia abietina. Boisd.: Sp. Gén. Lép. Het., i. p. 108 (1875) (♀).

Type. Ceylon, in B. M.
a. India (Hearsay). b. Bengal.

GENUS **NEPHELE.** Hübner: Verz. Bek. Schm., p. 133 (1816).
Zonilia. Walker: viii. p. 192 (1856).

136. Nephele hespera.

Sphinx hespera. Fabr.: Syst. Ent., p. 546 (1775).
Nephele hespera. Saalmüller: Lep. Madag., i. p. 133, pl. 3, fig. 42.
———— Butler: T. Z. S., Lond., ix. p. 624, pl. 91, figs. 20 and 21, larva and pupa (1876).
———— Moore: Lep. Ceyl., ii. p. 2, pl. 72, figs. 1, 1 *a*, 1 *b*, imago and larva (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 287.
———— Cotes and Swinh.: Cat. Moths of India, i. 34. 185 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 165.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 33 (1891).
Sphinx chiron. Cramer: Pap. Exot., ii. p. 62, pl. 137, fig. E (1777).
Nephele chiron. Hübner: Verz. Bek. Schm., p. 133, No. 1034 (1816).
Zonilia chiron. Walker: viii. 196 (1856).
Sphinx morpheus. var. Cramer: l. c., p. 84, pl. 149, fig. D (1777).
Nephele morpheus. Hübner: l. c., No. 1432 (1816).
Zonilia morpheus. Walker: viii. 194 (1856).
Sphinx didyma. Fabr.: Sp. Ins., ii. p. 148 (1781).
Sphinx quaterna. Charpentier: Ed. Esper.'s Aus. Schm. Sph., pl. 1, fig. 2 (1830).
Perigonia obliterans. Walker: xxxi. 28 (1864).

a. India (3) (Hearsay). b. Kanara. c. India (Smee). d. Bengal (2). e. India. f. Ceylon.

137. Nephele subvaria.

Zonilia subvaria. Walker: viii. 196 (1856).
Nephele subvaria. Butler: T. Z. S., Lond., ix. p. 624 (1876).

Type. Australia, in B. M.
a. Cape York.

138. Nephele metapyrrha.

Zonilia metapyrrha. Walker: viii. 196 (1856).
Nephele metapyrrha. Butler: T. Z. S., Lond., ix. 1876, p. 625.
Deilephila dalii. Newman: Trans. Ent. Soc., Lond., ii Series, iv. p. 54 (1857).

Type. Moreton Bay, in B. M.
a. Moreton Bay.

GENUS **CALYMNIA.** Walker: viii. p. 123 (1856).

139. Calymnia panopus.

Sphinx panopus. Cramer: Pap. Exot., iii. p. 50, pl. 224, figs. A, B, (1779).
Amblypterus panopus. Hübner: Verz. Bek. Schm., p. 133 (1816).
———— Moore: Lep. Ceyl., ii. p. 13, pl. 81, figs. 1, 1 *a*, 1 *b*, imago, larva, and pupæ (1882).
Smerinthus panopus. Westwood: Cab. Or. Ent., p. 13, pl. 6, fig. 2 (1848).
Calymnia panopus. Walker: viii. 124 (1856).
———— Boisd.: Sp. Gén. Lép. Het., viii. p. 137 (1875),
———— Butler: T. Z. S., Lond., ix. p. 625 (1876).
———— Cotes and Swinh.: Cat. Moths of India, i. 34. 186 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 165.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 34 (1891)

a. India (Higgins). b. India. c. Burmah.

TRIBE BOMBYCES.

FAMILY **ÆGERIDÆ.**

GENUS **ANTHRENOPTERA.** Gen. nov.

Type *A. contracta* (Walker).
♂ The antennæ more heavily pectinated than in the Gen. *Trochilium* = *Sphecia*: the third joint of the palpi slightly longer; fore-wing narrower with vein 5 wanting (lower radial): hind-wings with veins 3 and 4 (2nd and 3rd medians) stalked: tibiæ, especially those of hind legs, hairy.

140. Anthrenoptera contracta. Pl. II. f. 11.

Sphecia contracta. Walker: viii. 11 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 41. 188 (1887).

a. India (type).

GENUS **ÆGERIA**. Fabr.: Illiger's Mag., vi. p. 287 (1807).

141. Ægeria pensilis. n. sp.

Antennæ, palpi, head and thorax above blackish brown, abdomen purple with blue and green reflections. Antennæ and palpi below yellow, a ring of yellow hairs behind the head, some yellow on each side of the thorax, anal tuft long, brown mixed with some yellow hairs, wings limpid with black veins, fore-wings with a costal uniform black band, an outer marginal band deepest in its centre and with its inner margin curved corresponding nearly to the apical shape of the wing, a thick black line closing the cell; hind-wing with the costa yellow from the base half way and then black, cilia of both wings black.

Below, pectus and sides of thorax yellow, abdomen black marked with yellow, legs black above, yellow beneath.

Expanse of wings $\frac{7\frac{1}{2}}{10}$ inch.

a. Sula (type). (Wallace).

Has a much narrower outer marginal band than *Æ. auriplena*, with its inner border differently shaped, and is differently marked on the body.

142. Ægeria auriplena.

Ægeria auriplena. Walker: xxxi. 13 (1864).

a. N. Guinea (type). (Wallace).

143. Ægeria clavicornis.

Ægeria clavicornis. Walker: xxxi. 14 (1864).

a. Batchian (type). (Wallace).

144. Ægeria chalybea.

Ægeria chalybea. Walker: Journ. Linn. Soc., Lond., vi. 82 (1862).
——————————— xxxi. 13 (1864).

a. Sarawak (type). (Wallace).

GENUS **BALATÆA**. Walker: xxxi. 110 (1864).

145. Balatæa homotona. n. sp.: Pl. II. f. 18.

♂ Antennæ, and head black, palpi above black, last joint entirely black, remainder ochreous beneath, a space ochreous on the head between the antennæ, a band behind the eye of ochreous hairs followed by some white scales, thorax and abdomen greenish brown speckled with minute grey atoms, abdomen with basal and medial bands above, abdomen extending far beyond the hind-wings with a long anal tuft composed of red and brown hairs with some white at their base; fore-wing greenish brown, costal edge and a

space in the disc ochreous; hind-wings with the inner portion white, with broad greenish brown apical border, which becomes narrower towards the anal angle, costa brown with the basal hair overlapped with a thick coating of long white hairs, fringe on both wings long and reddish brown.

Expanse of wings $\frac{9}{10}$, of the body $\frac{8}{10}$ inch.

a. Australia (type).

Genus **SCIAPTERON**. Stoudinger: Diss. de Sesiis Agri. Berol., 1854, p. 43.

146. Sciapteron pulchripennis.

Sannina pulchripennis. Walker: Journ. Linn. Soc., Lond., vi. p. 82 (1862).
———————— xxxi. 15 (1864).

a. Sarawak (type). (Wallace).

147. Sciapteron cambodialis.

Sannina cambodialis. Walker: xxxi. 15 (1864).

a. Cambodia, Siam (type). (Wallace).

148. Sciapteron rufifinis.

Sannina rufifinis. Walker: Journ. Linn. Soc., Lond., vi. 82 (1862).
———————— xxxi. 15 (1864).

a. Sarawak (type). (Wallace). b. Makessar, Celebes (2) (Wallace).

Genus **MELITTIA**. Hübner: Verz. Schm., p. 128 (1816).

149. Melittia amboinensis.

Melittia amboinensis. Felder: Sitz. Akad. Wiss., 1861, xliii. p. 28.
———————— Walker: xxxi. 16 (1864).

a. Aru (Wallace). b. Makessar, Celebes (3) (Wallace).

150. Melittia rutilipes.

Melittia rutilipes. Walker: xxxi. 16 (1864).

a. Batchian (type). (Wallace).

151. Melittia bombyliformis.

Sphinx bombyliformis. Cramer: Pap. Exot., iv. p. 241, pl. 400, f. C (1782).
Melittia bombyliformis. Walker: viii. 70 (1856).
———————— Moore: Cat. Lep. E. I. C., ii. p. 284 (1859).
———————— P. Z. S., Lond., 1865, p. 794.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 42. 196 (1887).
Melittia anthredoniformis. Hübner: Verz. Bek. Schm., p. 128 (1816).
Melittia bombyliformis. Boisd.: Sp. Gén. Lép. Het., i. p. 465 (1875).

a. Sylhet (2).

152. Melittia humerosa. n. sp.

Antennæ black, stout, slightly clavate, falcate reddish beneath, palpi brown above, covered with yellow hairs beneath, stout, curved, rising nearly as high as the vertex, last joint short, head and eyes dark brown, collar, thorax and first two segments of abdomen bright chesnut, remainder of abdomen black with a thin white line in each segment, wings hyaline with the veins, cilia, and bands blackish brown; fore-wings with a uniform costal and hinder marginal band, a band across the wing at the end of the cell, and a broad marginal band leaving a limpid space divided by the veins and narrowing above, median vein prominent; hind-wings unmarked except for the vein and marginal lines; base of both wings covered with bright chesnut red hairs, this colour in the fore-wings suffusing the hinder border and median vein.

Underside, face, pectus, and fore-legs yellow, thorax and abdomen white; middle legs with the femora black above, yellow below, the tibiæ covered with long red hairs and tarsi black with white marks; hind-legs covered with long hairs, bright red above with pale ends and black below, with white marks.

Expanse of wings $1\frac{6}{10}$ inches.

a. North China (type).

Allied to *M. notabilis*. (Swinh., Trans. Ent. Soc., 1890, p. 168, pl. 6, f. 1), is stouter, somewhat similar in the general appearance of the body and wings, but quite different in the colouration and markings of the legs.

153. Melittia chrysogaster.

Melittia chrysogaster. Walker: xxxi. 16 (1864).

a. Celebes (type). (Wallace).

154. Melittia fasciata.

Melittia fasciata. Walker: Journ. Linn. Soc., Lond., vi. p. 83 (1862).
——————————— xxxi. 16 (1864).

a. Sarawak (type). (Wallace).

155. Melittia siamica.

Melittia siamica. Walker: xxxi. 18 (1864).

a. Siam (type). (Mouhot).

156. Melittia mysolica.

Melittia mysolica. Walker: xxxi. 18 (1864).

a. Mysol (type). (Wallace).

157. Melittia productalis.

Melittia productalis. Walker: xxxi. 19 (1864).

a. Celebes (type). (Wallace).

158. Melittia eurytion.

Trochilium eurytion. Westw.: Cab. Or. Ent., p. 62, pl. 30, f. 5 (1848).
Melittia eurytion. Walker: viii. 70 (1856).
———— Moore: P. Z. S., Lond., 1865, p. 794.
———— Cotes and Swinh.: Cat. Moths of India, ii. 42. 197 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 171.
Melittia strigipennis. Walker: xxxi. 17 (1864).

Type. North India, in B. M.
a. India. b. Gilolo (type of *strigipennis*). (Wallace).
I have compared Walker's type of *strigipennis* with a series of *M. eurytion* from India; they vary a little as to the hyaline discal space on fore-wings: but Walker's type is identical with many Indian specimens.

159. Melittia indica.

Melittia indica. Butler: Ann. Mag. N. H., (4) iv. p. 411 (1874).
———— Cotes and Swinh.: Cat. Moths of India, ii. 42. 199 (1887).
Melittia bombyliformis (part). Walker: viii. 69 (1856).

Type. India, in B. M.
a. India (Ashmol. Mus.).

160. Melittia phorcus.

Trochilium phorcus. Westw.: Cab. Or. Ent., p. 62, pl. 30, f. 7 (1848).
Melittia phorcus. Butler: Ann. Mag. N. H., (4), iv. p. 411 (note) (1874).
———— Cotes and Swinh.: Cat. Moths of India, ii. 42. 202 (1887).

Type. Central India (Hearsay). (Coll. Westwood).
a. India. b. Central India (Hearsay). c. Ceylon (Thwaites).
d. Bombay.

Genus **LENYRA.** Walker: viii. 71 (1856).

161. Lenyra ashtaroth.

Trochilium ashtaroth. Westw.: Cab. Or. Ent., p. 14, pl. 6, f. 5 (1848).
Lenyra ashtaroth. Walker: viii. 71 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 43. 204 (1887).

a. Assam (type). (Jenkins). b. India.

Genus **BONIA.** Walker: Journ. Linn. Soc., Lond., vi. p. 83 (1862).

162. Bonia unicolor.

Bonia unicolor. Walker: Journ. Linn. Soc., Lond., vi. p. 83 (1862).
———— xxxi. 23 (1864).

a. Sarawak (type). (Wallace).

Genus **TYRICTACA**. Walker: Journ. Linn. Soc., Lond., vi. p. 83 (1862).

163. Tyrictaca apicalis.

Tyrictaca apicalis. Walker: Journ. Linn. Soc., Lond., vi. p. 84 (1862).
——————————— xxxi. 23 (1864).

a. Sarawak (type). (Wallace).

Genus **TINTHIA**. Walker: xxxi. 23 (1864).

164. Tinthia varipes.

Tinthia varipes. Walker: xxxi. 24 (1864).

Type. Celebes, in B. M.

a. Makessar, Celebes (2) (Wallace).

Family **ZYGÆNIDÆ.**

Sub-Family SYNTOMINÆ.

Genus **SYNTOMIS**. Ochs.: Schm. von Eur., ii. p. 103 (1807).

165. Syntomis cymatilis. n. sp.

♂ ♀ Above, of a uniform, very dark glossy black with blue green reflections, caused by streaks of blue green scales on the fore-wings; the hind-wings, with the exception of the outer margins, entirely suffused with that colour; fore-wings with four small limpid spots, 1st sub-basal nearly round, 2nd medial nearly filling up the outer third of the cell, with straight ends, 3rd discal divided by the veinlet, 4th small, round, above the inner end of the third and close to the costa.

Hind-wings with one sub-basal limpid dot.

Below, the fore-wings below the median vein, and all but the base of the hind-wings pale cupreous brown, the rest black suffused at the base with blue green scales, especially so in the hind-wings, body and legs black suffused with blue green, abdomen with a broad ochreous band beyond the middle.

The female differs in its duller colouration in having no spot on the hind-wing, a small spot near the hinder angle of fore-wing, the 4th spot longer and more sub-apical, and in having the abdomen encircled by the ochreous band, whereas in the male the band is only beneath, and not above.

Expanse of wings ♂ $1\frac{2}{10}$—♀ $1\frac{1}{10}$ inches.

a. Philippines (♂ ♀ types).

166. Syntomis bicincta.

Syntomis bicincta. Kollar: Kasch. von Hüg., iv. p. 460, pl. 19, f. 8 (1848).
———— Walker: i. 120 (1854).
———— Cotes and Swinh.: Cat. Moths of India, ii. 46. 226 (1887).

a. India (2).

167. Syntomis georgina.

Syntomis georgina. Butler: Journ. Linn. Soc., Lond., 1876, p. 345.
———— Moore: Lep. Ceyl., ii. p. 34, pl. 95, f. 2, (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 48. 240 (1887).
Syntomis cysseoides. Butler: Journ. Linn. Soc., Lond., 1876, p. 346.
———— Moore: Lep. Ceyl., ii. p. 35, pl. 95, f. 1 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 47. 231 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 44 (1891).

Type. South India, in B. M.
Type of *cysseoides*, Nilgiri Hills, in coll. Moore.

a. Ceylon (2) (Thwaites). b. Central India (3) (Hearsay). c. India.

168. Syntomis cyssea.

Sphinx cyssea. Cramer: Pap. Exot., iv. p. 124, pl. 355, f. B (1782).
Syntomis cyssea. Boisd.: Mon. Zyg., p. 143, pl. 7, f. 2 (1829).
———— Walker: i. 120 (1854).
———— Butler: P. Z. S., Lond., 1883, p. 155.
———— Swinhoe: P. Z. S., Lond., 1886, p. 436.
———— Cotes and Swinh.: Cat. Moths of India, ii. 46. 230 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 41 (1891).
Zygæna collaris. Fabr.: Ent. Syst., iii. 1, p. 388 (1793).
Syntomis collaris. Hübner: Verz. Bek. Schm., p. 121 (1816).
Syntomis schœnerrhi. Boisd.: Mon. Zyg., p. 112, pl. 7, f. 1 (1829).
———— Walker: i. 120 (1854).
———— vii. 1592 (1856).
Syntomis cuprea. Prittwitz.: Stett. Ent. Zeit., 1867, p. 277.
———— Butler: Journ. Linn. Soc., Lond., 1876, p. 345.

a. India (6). b. India (3) (Hutton). c. Bangalore (Minchin). d. Barrackpore (2) (Minchin).

169. Syntomis insueta. n. sp.: Pl. II. f. 16.

♀ Antennæ black, pure white at the sides towards the tips, head and thorax blackish brown, abdomen black, frons, collar, a stripe at base of abdomen and another beyond the middle golden yellow. Wings blackish brown, fore-wings with four oval limpid spots, 1st near the base below the median vein, 2nd in the centre of the cell, 3rd and 4th close together in the disc beyond the cell; hind-wings with one clear limpid spot at the base below the median vein, abdominal margin with some yellow hairs, below same as above,

thorax with two golden yellow spots on each side, legs black, smeared with white in places.

Expanse of wings $1\frac{2}{10}$ inches.

a. Barrackpore, May, 1886 (type). (Minchin).

Belongs to the *S. cyssea* group.

170. Syntomis artina.

Syntomis artina. Butler: Journ. Linn. Soc., Lond., 1876, p. 347.
——— Moore: Lep. Ceyl., ii. p. 35, pl. 94, f. 4 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 45. 221 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 38 (1891).

Type. Calcutta, in B. M.

a. Indore (2). b. Ceylon (2) (Thwaites).

171. Syntomis imaon.

Sphinx adscita imaon. Cramer: Pap. Exot., iii. p. 94, pl. 248, f. E (1779).
Syntomis imaon. Hübner: Verz. Bek. Schm., p. 122 (1816).
——— Boisd.: Mon. Zyg., p. 114 (1829).
——— Walker: i. 127 (1854).
——— Cotes and Swinh.: Cat. Moths of India, ii. 48. 245 (1887).
Syntomis cupreipennis. Butler: Journ. Linn. Soc., Lond., 1876, p. 347.
——— Swinhoe: P. Z. S., Lond., 1885, p. 290.
——— Cotes and Swinh.: Cat. Moths of India, iii. 46. 229 (1887).
Syntomis sargania. Butler: Trans. Ent. Soc., Lond., 1879, p. 4.
——— Cotes and Swinh.: Cat. Moths of India, ii. 50. 259 (1887).

Type of *cupreipennis*, Calcutta, in B. M.

Type of *sargania*, Cachar, in B. M.

a. Poona. b. Bombay. c. Assam (2) (Jenkins).

172. Syntomis godartii.

Syntomis godartii. Boisd.: Mon. Zyg., p. 115, pl. 7, f. 3 (1829).
——— Walker: i. 121 (1854).
——— Cotes and Swinh.: Cat. Moths of India, ii. 48. 241 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., 2. 40 (1891).
Syntomis libera. Walker: xxxi. 78 (1864).

a. Malacca (type of *libera*). (Wallace).

173. Syntomis fusiformis.

Syntomis fusiformis. Walker: vii. 1595 (1856).
Hydrusa fusiformis. Butler: Journ. Linn. Soc., Lond., 1876, p. 345.
——— Cotes and Swinh.: Cat. Moths of India, ii. 51. 267 (1887).
Syntomis approximata. Walker: xxxi. 79 (1864).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 36 (1891).
Syntomis libera. Moore (nec. Walker): P. Z. S., Lond., 1878, p. 173.

Syntomis libera. Cotes and Swinh.: Cat. Moths of India, ii. 49. 249 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 173.

a. India (type). b. Sumatra (type *approximata*). (Wallace).

174. Syntomis hydatina.

Syntomis hydatina. Butler: Journ. Linn. Soc., Lond., 1876, p. 346.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 48. 244 (1887).

Type. Calcutta, in B. M.

a. Central India (2) (Hearsay).

175. Syntomis gelatina.

Syntomis gelatina. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 43, pl. 139, f. 1 (1891).

Type. Nilgiri Hills, in B. M.

a. Nilgiri Hills.

176 Syntomis passalis.

Zygæna passalis. Fabr.: Sp. Ins., ii. p. 159 (1781).
——————— Mant. Ins., ii. p. 102 (1787).
——————— Ent. Syst., iii. p. 391 (1793).
Syntomis passalis. Boisd.: Mon. Zyg., p. 120 (1829).
——————— Walker: i. 123 (1854).
——————— Moore: Lep. Ceyl., ii. p. 35 (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 290.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 50. 257 (1887),
Sphinx creusa. Cramer: Pap. Exot., ii. p. 94, pl. 248, f. F (1779).
Syntomis creusa. Boisd.: Mon. Zyg., p. 121, pl. 7, f. 1 (1829).
——————— Walker: i. 123 (1854).
Syntomis montana. Butler: Journ. Linn. Soc., Lond., 1876, p. 349.
——————— Moore: Lep. Ceyl., ii. p. 36, pl. 94, f. 5 (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 290.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 49. 253 (1887).

Type of *montana*, Ceylon, in B. M.

a. Ceylon (H. N. Moseley). b. Barrackpore (2) (Minchin). c. Ganjam (Minchin). d. Poona (Ashmol. Mus.). e. Bombay. f. Bangalore (Minchin).

177. Syntomis aurofasciata. n. sp: Pl. II. f. 19.

♀ Antennæ, space on head between the antennæ, thorax, and tip of abdomen black; frons, head, collar, a square spot on the thorax behind, and abdomen golden yellow, abdomen with segmental black bands, thickest at the base; wings black, fore-wings with five large limpid spots, 1st near the base below the median vein, nearly round, 2nd within the cell, before the end, 3rd below it and a little inside of it in the interno-median interspace, 4th in the disc divided by the third median branch, 5th above it, sub-costal and long; there is also a small indistinct limpid space between the 2nd and 3rd spots.

Hind-wings with two large limpid spots, 1st within the cell, sub-basal, 2nd discal, each with a small dot above it. Underside as above, thorax with some golden yellow marks, abdomen black with three golden bands in its middle, legs black.

Expanse of wings $1\frac{6}{10}$ inches.

a. New Guinea (type). (Wallace).

178. Syntomis linearis.

Syntomis linearis. Walker: xxxi. 77 (1864).

a. Makessar, Celebes (type). (Wallace).

179. Syntomis tetragonaria.

Syntomis tetragonaria. Walker: Journ. Linn. Soc., Lond., vi. 87 (1862).
——————————— xxxi. 65 (1864).

a. Sarawak (type). (Wallace). b. Sarawak (Wallace).

180. Syntomis midas.

Syntomis midas. Butler: Journ. Linn. Soc., Lond., 1876, p. 344.
Syntomis fenestrata. Walker: xxxi. 73 (1864).

a. Cambodia, Siam (type of *fenestrata*). (Mouhot).

Walker's type is a male, not a female, as stated by him. His name must sink because it is pre-occupied in the genus by Drury: Ill. Nat. Hist., ii. p. 50, pl. 28, f. 5.

181. Syntomis marsdeni.

Syntomis marsdeni. Moore: P. Z. S., Lond., 1859, p. 197, pl. 60, f. 3.
——————————— Cat. Lep. E. I. C., ii. p. 323 (1859).
Syntomis xanthomela. Walker: Journ. Linn. Soc., Lond., iii. p. 184 (1859).
Syntomis contermina. Walker: xxxi. 78 (1864).

Type. Java, in B. M.

a. Singapore (type of *xanthomela*). (Wallace). b. Singapore (type of *contermina*). (Wallace).

182. Syntomis frustulenta. n. sp.

♂ Antennæ, top of head, thorax and wings black, frons, space behind the eyes, collar, sides of thorax, spot behind and abdomen bright golden yellow, abdomen with black segmental bands and anal tuft.

Wings with small limpid spots, fore-wings with some golden hairs at the base and with three bands of limpid spots, 1st consisting of one squarish spot, sub-basal, 2nd of two medial, the lower one squarish, the upper one elongate, 3rd of two discal, the lower one of the usual kind divided by the third median branch, the upper one elongate and thin; hind-wing with a square sub-basal large spot and a smaller round discal spot, base of wing tinged with golden. Underside as above, pectus and thorax black, the latter with golden

sides, abdomen with broader black bands, hind-wings with golden hairs at the base, legs black tinged with golden.

Expanse of wings $\frac{9}{10}$ inch.

Lizard Island, N. Australia (type).

Allied to *S. xanthomela* (Walker), the limpid spots are smaller and not so clear and the apical spot is wanting.

183. Syntomis decorata.

Syntomis decorata. Walker: Journ. Linn. Soc., Lond., vi. p. 89 (1862).
——————— xxxi. 65 (1864).
Syntomis florina. Butler: Journ. Linn. Soc., Lond., 1876, p. 350.

Type of *florina*, Sarawak, in B. M.

a. Sarawak, Borneo (type). (Wallace).

184. Syntomis deflocca. n. sp.

♂ ♀ Brown, frons, collar and segmental bands on abdomen golden yellow, wings brown with golden yellow longitudinal stripe-like spots, fore-wings with five and hind-wings with two; fore-wings with the 1st basal, filling the interno-median interspace for one-fourth its length, followed by the 2nd streak, which runs inside the interspace nearly up to the margin of the wing, above this is the 3rd streak, which fills up the outer half of the cell, the 4th consists of two streaks divided by the 3rd median veinlet and the 5th by two subapical streaks, the topmost one the shortest; hind-wing with a broad streak along the abdominal border and a discal spot divided by the vein. Underside as above, legs brown.

Expanse of wings 1 inch.

a. Philippine Islands (♂ ♀ types).

Allied to *S. egenaria* (Walker), the yellow streaks narrower, and very different in the hind-wings, in *egenaria* the entire wing being yellow with a brown marginal border.

185. Syntomis egenaria.

Syntomis egenaria. Walker: Journ. Linn. Soc., Lond., vi. 88 (1862).
——————— xxxi. 65 (1864).

a. Sarawak (type). (Wallace).

186. Syntomis tigrina.

Syntomis tigrina. Walker: xxxi. 71 (1864).

a. Cambodia, Siam ♀ (type). (Mouhot). b. Cambodia ♂ (Mouhot).

187. Syntomis fervida.

Syntomis fervida. Walker: i. 131 (1854).
——————— Butler: Ill. Typ. Lep. Het., B. M., i. p. 18, pl. 6, f. 16 (1877).

Type. Maulmein, in B. M.

a. Cambodia, Siam (Mouhot).

188. Syntomis vitrea.

Syntomis vitrea. Walker: vii. 1594 (1856).
Hydrusa vitrea. Butler: Journ. Linn. Soc., Lond., 1876, p. 345.
———— Cotes and Swinh.: Cat. Moths of India, ii. 51. 270 (1887).
Syntomis austeni. Moore: P. Z. S., Lond., 1879, p. 389.
———— Cotes and Swinh.: Cat. Moths of India, ii. 45. 224 (1887).

Type of *austeni.* N. E. Bengal, in coll. Moore.
a. Sylhet (type).

189. Syntomis submarginalis.

Syntomis submarginalis. Walker: Char. Undescr. Lep. Het., p. 89 (1869).
———— Cotes and Swinh.: Cat. Moths of India, ii. 50. 362 (1887).

Type. Benares, in B. M.
a. India.

190. Syntomis extensa.

Syntomis extensa. Walker: xxxv. 1863 (1866).
———— Swinhoe: P. Z. S., Lond., 1885, p. 290.
———— Cotes and Swinh.: Cat. Moths of India, ii. 47. 237 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 2. 46, pl. 143, f. 14 (1891).

Type. South India, in B. M.
a. Ootacamund (Minchin). b. Nilgiri Hills.

191. Syntomis adjuncta.

Syntomis adjuncta. Walker: xxxi. 74 (1864).
a. Ceram (type). (Wallace). b. Amboina (Wallace).

192. Syntomis guttulosa.

Syntomis guttulosa. Walker: xxxi. 73 (1864).
a. Aru (type). (Wallace).

The New Guinea example referred to by Walker is quite distinct from the Aru type; it not only differs in the gilding of the body but in the veination of the hind-wings.

193. Syntomis ampla.

Syntomis ampla. Walker: xxxi. 76 (1864).
a. Aru (type). (Wallace).

194. Syntomis basigera.

Syntomis basigera. Walker: xxxi. 77 (1864).
a. Batchian (type). (Wallace).

195. Syntomis signata.

Syntomis signata. Walker: vii. 1594 (1856).
a. Java (type). (Wallace).

196. Syntomis ypleta. n. sp.

♂ ♀ Antennæ, top of head, thorax, abdomen and wings blackish brown, frons, collar, fore-part of thorax on each side, and large spots on every segment on each side of abdomen golden yellow, fore-wings with a long limpid space filling up most of the cell, another longer, below it in the interno-median interspace, divided from the other merely by the median vein, filling up nearly all the interspace from close to the base till just below the end of cell, from whence it becomes narrower above the sub-median vein almost to the outer margin, a band of two long discal limpid spots, commencing from close to the end of the cell, each divided into two by the branches; hind-wing with a long oval-shaped spot running down the abdominal margin, yellow in both sexes, showing some limpid places in the female, but entirely covered with golden scales in the male. Underside as above, abdomen with yellow spots at the sides and pale segmental bands, legs brown, fore-legs in the female marked with gold at their base, in the male much thickened and covered with yellow hairs.

Expanse of wings 1 inch.

a. Waigiou (♂ ♀ types). (Wallace).

Allied to *S. ampla* (Walker), but can easily be distinguished by the absence of the large limpid discal spots on the hind-wings.

197. Syntomis formicina. n. sp.

♀ Antennæ, space on head between, thorax, abdomen and wings black, frons, collar, sides of thorax in front, a spot behind, and a row of large spots on each side of abdomen golden yellow, the basal one on the abdomen the largest, forming nearly a complete golden basal band; fore-wings mostly limpid, with long stripe-like spots, 1st filling the cell except at the base, 2nd in the interno-median interspace, divided from the 1st merely by the median vein, and nearly filling the interspace from near the base to below the end of cell, then narrowing hindward to near hinder angle, two discal spots divided by the veins, both commencing close to the end of cell; hind-wings with one large round spot near the anal angle intersected by the bifurcated median branch. Below as above, abdomen black, with yellow spots at the sides, legs black.

Expanse of wings $1\frac{1}{10}$ inches.

a. New Guinea (type). (Wallace). b. New Guinea (Higgins). (Wallace).

The type specimen is the one from New Guinea referred to by Walker, xxxi. p. 73, under *S. guttulosa*; the example of that species from Aru is the type: it is also a female and is quite distinct from this species, of which there are the two female specimens from New Guinea above referred to.

198. Syntomis exapta. n. sp.

♂ Antennæ, thorax, abdomen and wings black, frons, head, collar, a stripe on each side, down the centre and a spot on back of thorax, and broad bands on the segments of the abdomen bright golden yellow, tip of abdomen black. Wings mostly hyaline, fore-wings with a hyaline sub-basal sub-costal streak, the cell limpid, as also the interspace below the median vein limited by the 1st branch, a small spot between the two at the root of the interspace above the branch, and a discal band of elongated spots consisting of a large spot above the 2nd median branch, divided into two by the third branch, a small dot above this just outside the cell, a long spot above with a small sub-costal dot just above it near its outer end. Hind-wing with a large hyaline space below the median divided by the veins into three, two large spots and a small elongated space above them, occupying the greater portion of the wing, having a broad costal and broader marginal band elbowed inwards in its centre, and a thin abdominal band with some black hairs. Underside as above, pectus golden, thorax marked with golden, and legs brown suffused with the same colour.

Expanse of wings $1\frac{1}{10}$ inches.

a. Flores (type). (Wallace).

Differs in the position of its limpid spots from all the others in this group.

199. Syntomis fata. n. sp.

♀ Antennæ, top of head, thorax, abdomen and wings black; frons, collar, sides of thorax in front, two stripes down the centre, and one across at the back, and broad stripes on the segments of the abdomen bright golden yellow, tip of abdomen black, abdomen very short. Wings mostly hyaline, fore-wings with some golden scales at the base, a large black apical band, a narrow marginal band, and a still narrower costal band, disco-cellular veinlets black, as also is the interspace between the discoidal branches. Hind-wing also nearly all hyaline, divided by the veins into three spaces, two large, nearly round, and a small streak above, leaving the wing with a thick band all round and elbowed inwards in centre of outer margin, a large patch of golden scales at the base.

Expanse of wings 1 inch.

a. Borneo (type).

Limpid spaces on the wings somewhat as in *S. exapta*, but more extended, leaving the marginal bands thin; abdomen unusually short, making length of body less than half an inch.

200. Syntomis celebesa.

Syntomis celebesa. Walker: xxxi. 70 (1864).

Type. Celebes, in B. M.

a. Makessar, Celebes (2) (Wallace).

201. Syntomis derivata.

Syntomis derivata. Walker: Journ. Linn. Soc., Lond., vi. p. 89 (1862).
——————————— xxxi. 65 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Sumatra (Wallace).

202. Syntomis longipennis. Pl. II. f. 13.

Syntomis longipennis. Walker: Journ. Linn. Soc., Lond., vi. p. 91 (1862).
——————————— xxxi. 90 (1864).

a. Sarawak, Borneo (type) (Wallace).

203. Syntomis separabilis.

Syntomis separabilis. Walker: Journ. Linn. Soc., Lond., vi. p. 90 (1862).
——————————— xxxi. 66 (1864).

a. Sarawak, Borneo (type) (Wallace).

204. Syntomis chloroleuca.

Syntomis chloroleuca. Walker: Journ. Linn. Soc., Lond., vi. p. 90 (1862).
——————————— xxxi. 65 (1864).

a. Sarawak, Borneo (type) (Wallace).

205. Syntomis transitiva.

Syntomis transitiva. Walker: Journ. Linn. Soc., Lond., vi. p. 91 (1862).
——————————— xxxi. 65 (1864).

a. Sarawak, Borneo (type) (Wallace).

206. Syntomis basalis.

Syntomis basalis. Walker: xxxi. 79 (1864).

a. Malacca (type) (Wallace).

207. Syntomis intermissa.

Syntomis intermissa. Walker: Journ. Linn. Soc., Lond., vi. p. 90 (1862).
——————————— xxxi. 65 (1864).

a. Sarawak, Borneo (type) (Wallace).

208. Syntomis expandens.

Syntomis expandens. Walker: Journ. Linn. Soc., Lond., vi. p. 91 (1862).
——————————— xxxi. 66 (1864).

a. Sarawak (type) (Wallace).

209. Syntomis divisura.

Syntomis divisura. Walker: Journ. Linn. Soc., Lond., vi. p. 91 (1862).
——————————— xxxi. 66 (1864).

a. Sarawak (type) (Wallace).

210. Syntomis detracta.

Syntomis detracta. Walker: Journ. Linn. Soc., Lond., vi. p. 91 (1862).
——————————— xxxi. 66 (1864).

a. Sarawak (type) (Wallace).

211. Syntomis basifera.

Syntomis basifera. Walker: Journ. Linn. Soc., Lond., vi. p. 92 (1862).
———— xxxi. 66 (1864).

a. Sarawak (type) (Wallace).

212. Syntomis flaviplaga.

Syntomis flaviplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 92 (1862).
———— xxxi. 66 (1864).
Syntomis biplagata. Snellen: Midden Sum., iv. (1) 8, p. 33 (1880).

a. Sarawak (type) (Wallace).

213. Syntomis albiplaga.

Syntomis albiplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 92 (1862).
———— xxxi. 66 (1864).

a. Sarawak (type) (Wallace). b. Singapore.

Genus **HYDRUSA**. Walker: i. 255 (1854).

214. Hydrusa annulata.

Zygæna annulata. Fabr.: Sp. Ins., ii. 159. 7 (1781).
———— Mant. Ins., ii. 102. 9 (1787).
———— Ent. Syst., iii. 1. 389. 11 (1793).
Sphinx (Zygæna) annulata. Gmel.: ed. Syst. Nat., i. 5. 2392. 111.
Syntomis annulata. Boisd.: Mon. Zyg., p. 122, pl. 7, f. 8, pl. 8, f. 2 (1829).
———— Walker: i. 124 (1854).

Type in Banksian Cabinet, B. M.

a. Port Essington (2). b. New South Wales (2).

215. Hydrusa intensa.

Hydrusa intensa. Butler: Journ. Linn. Soc., Lond., 1876, p. 353.

Type. Sydney, in B. M.

a. New Holland (3). b. New South Wales (2). c. Sydney.

216. Hydrusa cingulata.

Hydrusa cingulata. Butler: Journ. Linn. Soc., Lond., 1876, p. 352.

Type. Moreton Bay, in B. M.

a. Sydney (C. Darwin). b. New South Wales (3). c. E. Australia.

217. Hydrusa chroma. n. sp.

♂ Antennæ, space on head between them and centre of thorax dark greenish black, antennæ serrated in the male, frons, head, collar, front, sides, and central stripe in thorax, and the entire abdomen bright chrome yellow; abdomen with segmental thin black bands, a broad black band before the anal tuft, which is also bright chrome yellow; wings greenish black, fore-wings with five bright chrome spots and hind-wings with two, 1st sub-basal below the median vein, 2nd in the cell at the end, 3rd below it in the interno-median interspace, 4th discal divided by the third median veinlet, 5th sub-apical.

On the hind-wing the first spot covers nearly the basal half like a triangle and runs into the point of the 2nd, which is a smaller triangle in the disc.

♀ like the male except that the 2nd and 3rd spots on the fore-wing run into each other, being merely divided by the median vein, the spots on the hind-wing are also in one and occupy two-thirds of the wing, and there is a small yellow streak above the sub-apical spot on the fore-wings.

Expanse of wings $\frac{9}{10}$ to $1\frac{1}{10}$ inches.

a. Australia ♂ ♀ (types).

Allied to *H. annulata* (Fabr.), but much smaller.

218. Hydrusa annosa. Pl. II. f. 17.

Syntomis annosa. Walker: Journ. Linn. Soc., Lond., iii. p. 183 (1859).
" " xxxi. 65 (1864).

a. Singapore (type) (Wallace). b. No locality.

219. Hydrusa diaphana.

Syntomis diaphana. Kollar: Kasch. von Hügel, iv. p. 460, pl. 19, f. 7 (1848).
" Walker: i. 126 (1854).
" Cotes and Swinh.: Cat. Moths of India, ii. 47. 232 (1887).
Syntomis ænone. Butler: Journ. Linn. Soc., Lond., 1876, p. 344.
" Cotes and Swinh.: Cat. Moths of India, ii. 49. 256 (1887).

Type of *ænone*, Mussouree, in B. M.

a. India (2). b. Assam (Jenkins).

220. Hydrusa penangæ.

Syntomis penangæ. Moore: P. Z. S., Lond., 1859, p. 198, pl. 60, f. 7.
" Cat. Lep. E. I. C., ii. p. 325 (1859).
Syntomis diversa. Walker: xxxi. 75 (1864).

Type. Penang, in B. M.

a. Singapore (type of *diversa*) (Wallace).

221. Hydrusa claremontii.

Syntomis claremontii. Heylaerts: Comptes-rendus de la Soc. Ent. Belgique, Feb. 6, 1890.

Type. Java, in coll. Heylaerts.

a. Java (Wallace).

222. Hydrusa basirufa. n. sp.

♂ ♀ Antennæ, head, thorax and wings black, antennæ serrated in the male, frons and a spot on each side of thorax in front white; abdomen dark green, a bright crimson stripe covering the base of thorax and of first two segments of the abdomen. Fore-wings with two limpid bands, 1st occupying the basal half of the wing with the exception of a small space at the base, and divided into three by the median vein and branch, the centre one small, 2nd band discal,

composed of two large spots, each divided into two by the veins. Hind-wings limpid with a costal band and black cilia. Underside as above, thorax with crimson sides, legs black.

Expanse of wings $1\frac{1}{10}$ inches.

a. Cambodia, Siam ♂ ♀ (types) (Mouhot). b. Cambodia ♂ (Mouhot).

Somewhat resembles *S. pectoralis* (Walker), from Maulmein.

Genus **TRICHÆTA.** Gen. Nov.

♂ Antennæ ciliated; tibiæ without spurs; fore-wings with vein 3 from the end of the cell; 4 and 5 stalked, otherwise as in *Syntomis*.

223. Trichæta teneiformis.

Syntomis teneiformis. Walker: vii. 1595 (1856).
Hydrusa teneiformis. Butler: Journ. Linn. Soc., Lond., 1876, p. 345.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 51. 269 (1887).

a. India (type).

Genus **ERESSA.** Walker: i. 149 (1854).

Trianeura. Butler: Journ. Linn. Soc., Lond., 1876, p. 353.

224. Eressa confinis.

Glaucopis confinis. Walker: i. 149 (1854).
Syntomis confinis. Walker: vii. 1592 (1856).
Hydrusa confinis. Butler: Journ. Linn. Soc., Lond., 1876, p. 345.
Eressa confinis. Moore: Lep. Ceylon, ii. p. 36, pl. 95, f. 6 (1882).
——————— Swinhoe: P. Z. S., Lond., 1886, p. 436.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 52. 273 (1887).

Type. North India, in B. M.
a. India.

225. Eressa subaurata.

Glaucopis subaurata. Walker: i. 149 (1854).
Syntomis subaurata. Walker: vii. 1593 (1856).
Trianeura subaurata. Butler: Journ. Linn. Soc., Lond., 1876, p. 354.
Eressa subaurata. Moore: Lep. Ceyl., ii. p. 36, pl. 95, f. 4 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 52. 275 (1887).

Type. Ceylon, in B. M.
a. Ceylon (5) (Thwaites).

226. Eressa politula. n. sp.

Antennæ, head, body and wings brown, thorax golden yellow in front and behind; abdomen with dorsal and lateral rows of dark golden spots, anal tuft large, composed of pale brown hairs. Fore-wings with the central portion limpid, divided by the veins into seven, much as in *E. confinis*, but the brown basal portion is larger, being nearly one third of the wing, and the discal row of spots has

the second from the costa very small. Hind-wings nearly all brown, with a small limpid discal space divided by the veins into three, two round spots and a small semi-diaphanous space on the inner side.

Expanse of wings $1\frac{1}{10}$ inches.

a. India (type).

Easily distinguishable from *E. confinis*, to which it is most nearly allied by the hyaline space on the hind-wings; in *confinis* the base and nearly all the wing, with the exception of the marginal border, are hyaline.

This insect bore Walker's label of *S. hubneri* (Boisd.). I have never seen the type of that insect, but from Boisduval's figure and description it is a true *Syntomis*, and in no way like this insect, which may possibly be a sport of *E. confinis*.

227. **Eressa detola.** n. sp.

♂ Antennæ, collar, thorax and wings black. Head, two spots on centre of thorax (front and after part); abdomen and spots on wings bright chrome yellow, basal portion of abdomen and segmental bands black. Fore-wings with two bands of elongated spots, first composed of three, 1st in outer end of cell, 2nd below it, and 3rd in the interno-medium interspace twice as long as the others, thickening inwards and nearly filling the interspace to one third from the base, the other band discal divided by the veins into four. Hind-wings with three spots, 1st and 2nd sub-basal divided by the median vein, the 2nd the longest nearly extending to the anal angle, 3rd discal, round, with a minute dot on its inner side. Underside, as above, except that the discal spot on hind-wings has a yellow streak on the outer side of it in addition, legs black.

Expanse of wings $1\frac{2}{10}$ inches.

a. Australia (type).

228. **Eressa olinda.** n. sp.

♂ Antennæ, thorax, segmental bands on abdomen and wings blackish brown, head, collar, sides and central spot on thorax, abdomen and spots on wings chrome yellow. Fore-wings with four spots, 1st sub-basal, 2nd medial like a band across the wing divided by the veins into three, 3rd discal divided by the third median veinlet, and 4th sub-apical, all the spots longitudinal, the sub-apical are the thinnest and longest. Hind-wings nearly all yellow, the basal spot occupying nearly half the wing and joined in the middle of its outer margin to the apical point of the discal spot, which is large and triangular. Underside, same as above, legs blackish brown.

Expanse of wings $1\frac{2}{10}$ inches.

a. Queensland (type).

Somewhat like *Hydrusa chroma*, but the central band on the fore-wings is broader and differently shaped and the abdomen has much thicker black segmental bands.

GENUS **EUCHROMIA.** Hübn.: Verz. Schm., p. 121 (1816).

229. Euchromia polymena.

Sphinx polymena. Linn.: Syst. Nat., ii. p. 806 (1767).
——————— Cram.: Pap. Exot., i. pl. 13, f. D (1776).
Zygæna polymena. Fabr.: Sp. Ins., ii. p. 162 (1781).
——————— Mant. Ins., ii. p. 104 (1787).
——————— Ent. Syst., iii. 1. 396. 34 (1783).
Euchromia polymena. Hübn.: Verz. bek Schm., p. 121 (1816).
——————— Walker: i. 219 (1854).
——————— Butler: Journ. Linn. Soc., Lond., 1876, p. 364.
——————— Moore: P. Z. S., Lond., 1877, p. 596.
——————— Lep. Ceyl., ii. p. 39, pl. 94, f. 6, 6*a* (1882).
——————— Swinhoe: P. Z. S., Lond., 1884, p. 514.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 54. 287 (1887).
Glaucopis polymena. Westwood: ed. Drury, i. p. 50, pl. 26, f. 1 (1837).

a. Ternate (Wallace). **b.** Makessar Celebes (Wallace). **c.** Tond (Wallace). **d.** India. **e.** Assam (Jenkins). **f.** Ceylon (2) (Moseley). g. (Ashmol. Mus.).

230. Euchromia orientalis.

Euchromia orientalis. Butler: Journ. Linn. Soc., Lond., 1876, p. 364.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 53. 286 (1887).
——————— Butler: Trans. Ent. Soc., Lond., 1888, p. 111, pl. 4, f. 6.

Type. North India, in B. M.
a. Penang (2) (Ormerod). **b.** Singapore (3) (Horsley).

231. Euchromia horsfieldi.

Phalanna horsfieldi. Moore: P. Z. S., Lond., 1859, p. 200, pl. 60, f. 13.
——————— Cat. Lep., E. I. C., ii. p. 328 (1859).
——————— Walker: xxxi. 98 (1864).
Euchromia horsfieldi. Butler: Journ. Linn. Soc., Lond., 1876, p. 363.

Type. Java, in B. M.
a. Flores (Wallace). **b.** Sumatra (Wallace). **c.** Java (2) (Wallace).

232. Euchromia aruica.

Hira aruica. Walker: xxxi. 98 (1864).
Euchromia aruica. Butler: Journ. Linn. Soc., Lond., 1876, p. 365.

Type. Aru Island, in B. M.
a. Aru (2) (Wallace). **b.** Dorey (Wallace). **c.** Mysol (Wallace).

233. Euchromia irus.

Sphinx adscita irus. Cramer: Pap. Exot., iv. p. 150, pl. 368, f. A (1781).
Euchromia irus. Walker: i. 226 (1854).
——————— Butler: Journ. Linn. Soc., Lond., 1876, p. 365.

Euchromia ira. Hübn.: Verz. Schm., 121. 1309 (1816).

a. Australia (Wallace). b. Cape York (Higgins). c. Lizard Isles (Higgins). d. Sydney (Higgins). e. Bouru (Wallace). f. Ceram (Wallace). g. Bachian (Wallace). h. Morty (Wallace). i. New Guinea (Wallace).

234. Euchromia cœlipennis.

Hira cœlipennis. Walker: xxxi. 99 (1864).
Euchromia cœlipennis. Butler: Journ. Linn. Soc., Lond., 1876, p. 365.

Type. Amboina, in B. M.

a. Amboina (2) (Wallace). b. Ceram (2) (Wallace).

Genus **THYRASSIA.** Butler: Journ. Linn. Soc., Lond., 1876, p. 355.

235. Thyrassia subcaudata.

Syntomis subcaudata. Walker: i. 132 (1854).
Thyrassia subcaudata. Butler: Journ. Linn. Soc., Lond., 1876, p. 355.
——— ——— Ill. Typ. Lys. Het., B. M., i. p. 19, pl. 7, f. 5 (1877).
——— Cotes and Swinh.: Cat. Moths of India, ii. 53. 280 (1887).

Type. North India, in B. M.

a. India (3).

236. Thyrassia inconcinna. n. sp.

♂ Antennæ purple black, frons bronzy, head, thorax, and wings blackish brown, collar and abdomen yellow, thorax with a yellow spot behind; abdomen brownish at the base, with brown segmental bands and blue black at the apex; wings with rather large semi-diaphanous, pale, luteous spots. Fore-wings with four in the outer half, the first three in a discal band, the two lower close together, the central the largest, the lowest the smallest, another spot outside in the middle of the disc. Hind-wings with the basal third limpid, and one largish round spot in the disc almost sub-apical.

Expanse of wings $\frac{9}{10}$ inch.

a. Lizard Island, N. Australia (type).

The spots on fore-wings are disposed like those in *T. subcaudata*, the abdomen is unusually slight in construction.

Genus **PSICHOTOË.** Boisd.: Mon. Zyg., p. 129 (1829).

237. Psichotoë duvancelii.

Psichotoë duvancelii. Boisd.: Mon. Zyg., p. 129, pl. 8, f. 5 (1829).
——— Walker: vii. 1597 (1856).
——— Butler: Journ. Linn. Soc., Lond., 1876, p. 354.
——— Cotes and Swinh.: Cat. Moths of India, ii. 51. 265 (1887).

a. Central India (Hearsay). b. India.

GENUS **BURLACENA**. Walker: xxxi. 80 (1864).

238. Burlacena ægerioides.

Burlacena ægerioides. Walker: xxxi. 80 (1864).
Burlacena (?) *similata.* Walker: xxxi. 81 (1864).

a. New Guinea (type) (Wallace). b. No locality (Higgins, coll. Wallace). c. Mysol (type *similata*) (Wallace).

239. Burlacena vacua.

Syntomis vacua. Walker: xxxi. 75 (1864).

a. Makessar Celebes (type) (Wallace).

GENUS **HESTIOCHORA**. Meyrick: Proc. Linn. Soc. N. S. W. (2), i. p. 788 (1886).

240. Hestiochora tricolor.

Procris tricolor. Walker: i. 111 (1854).
———— Butler: Ill. Typ. Lep. Het., B. M., i. p. 13, pl. 6, f. 6 (1877).

Type. Tasmania, in B. M.

a. New Holland. b. Moreton Bay. c. Queensland.

SUB-FAMILY ZYGÆNINÆ.

GENUS **ARTONA**. Walker: ii. 439 (1854).

241. Artona nigrescens.

Artona nigrescens. Butler: Journ. Linn. Soc., Lond., 1876, p. 358.
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 172.
Rhaphidognatha nigrescens. Cotes and Swinh.: Cat. Moths of India, ii. 55. 300 (1887).
Artona fulvida. Butler: Journ. Linn. Soc., Lond., 1876, p. 356.
———— Cotes and Swinh.: Cat. Moths of India, ii. 55. 295 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 172.

Type. Punjab Hills, in coll. Moore.
Type of *fulvida*, Maulmein, in B. M.
a. India (3) (Mortimer).

242. Artona discivitta.

Artona discivitta. Walker: ii. 440 (1854).
———— Butler: Journ. Linn. Soc., Lond., 1876, p. 356.
———— Ill. Typ. Lep. Het., B. M., v. p. 26, pl. 84, f. 8 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 55. 293 (1887).

Type. North India, in B. M.
a. Nilgiri Hills.

GENUS **CHRYSARTONA**. Gen. Nov.

Type, *C. stipata* (Walker).

Antennæ bipectinated in male, simple in female; palpi short and porrect; middle tibiæ with one pair of minute spurs, hind tibiæ with two pairs. Fore-wings with veins 8 and 9 not stalked. Hind-wings with veins 3 and 4 not stalked, 5 from the lower end of cell, 6 absent; closely allied to the genus *Artona*, in which the wings are longer and narrower and the hind tibiæ have no spurs; also to *Procris* type *statices*, in which vein 6 of the hind-wings is present.

243. Chrysartona stipata.

Procris stipata. Walker: i. 114 (1856).
———— Butler: Ill. Typ. Lep. Het., B. M., i. p. 13, pl. 7, f. 9 (1877).
———— Cotes and Swinh.: Cat. Moths of India, ii. 44. 214 (1887).

Type. North India, in B. M.

a. India.

GENUS **ZYGÆNA**. Fabr.: Syst. Ent., p. 550 (1775).
Syst. Gloss. (Illiger's Mag., iv. 1807).

244. Zygæna cashmirensis.

Zygæna cashmirensis. Kollar: Kasch. von Hüg., iv. p. 459, pl. 19, f. 6 (1848).
———— Walker: i. 102 (1854).
———— Moore: Cat. Lep. E. I. C., ii. 286 (1859).
———— Cotes and Swinh.: Cat. Moths of India, ii. 44. 213 (1887).

a. India (3).

GENUS **PLATYZYGÆNA**. Gen. Nov.

Type, *P. moëlleri* (Elwes).

♀ Antennæ simple, palpi very minute, tibiæ without spurs, thorax and abdomen stout, wings broad and rounded with all the veins present; fore-wing with veins 8 and 9 stalked; hind-wing with the costal touching the sub-costal branch before the end of the cell.

245. Platyzygæna moëlleri.

Soritia (?) *moëlleri.* Elwes: P. Z. S., Lond., 1890, p. 385, pl. xxxii. f. 13.

Type. Sikkim, in coll. Elwes.

a. Assam (Jenkins).

P. Moëlleri. Elw.

GENUS **PHACUSA**. Walker: i. 150 (1854).

Notioptera. Butler: Journ. Linn. Soc., 1876, p. 355.

246. Phacusa strigosa.

Syntomis strigosa. Walker: xxxi. 69 (1864).

Type. Celebes, in B. M.

a. Bouru (Wallace).

247. Phacusa expansa.

Syntomis expansa. Walker: xxxi. 73 (1864).

a. Mysol (type) (Wallace).

248. Phacusa variata. n. sp.

♀ Antennæ and wings deep black, frons, collar, thorax and abdomen olivaceous brown, tip of abdomen with some short black hairs, a pure white band behind each eye, wings with longitudinal, broad pure white streaks. Fore-wings with one from near the base to the middle, appearing again in a short streak in the disc, another of a similar kind above, sub-marginal, the first part of it not quite so long or so deep. Hind-wings with two streaks in the centre suffused inwardly and joined together making a disjointed band; underside as above, body smeared with white, legs pale brown.

Expanse of wings $1\frac{1}{10}$ inches.

a. Dorey (type) (Wallace).

Allied to nothing I know of.

GENUS **LOPHOSOMA**. Gen. Nov.

Type, *L. cuprea* (Walker).

♂ The antennæ pectinated; palpi short and porrect; mid tibiæ with one pair, hind tibiæ with two pairs of minute spurs; abdomen with lateral tufts of hair on terminal segments in the male; venation as in *Tasema*, except that vein 6 of the hind-wing is present.

249. Lophosoma cuprea.

Syntomis cuprea. Walker: vii. 1596 (1856).
Tascia cuprea. Butler: Journ. Linn. Soc., Lond., 1876, p. 558.
——— Cotes and Swinh.: Cat. Moths of India, ii. 56. 301 (1887).

a. India (type).

250. Lophosoma quadricolor.

Syntomis quadricolor. Walker: vii. 1596 (1856).
Tascia quadricolor. Butler: Journ. Linn. Soc., Lond., 1876, p. 358.
——— Cotes and Swinh.: Cat. Moths of India, ii. 56. 302 (1887).

a. India (type).

GENUS **TASEMA**. Walker: vii. 1597 (1856).

251. Tasema bipars.

Tasema bipars. Walker: vii. 1597 (1856).
——— Cotes and Swinh.: Cat. Moths of India, ii. 44. 216 (1887).

India (type).

GENUS **ILLIBERIS**. Walker: ii. 288 (1854).

Northia. Walker: i. 141 (nom. preoc.).

252. Illiberis cyanecula.

Nov. gen. cyanecula. Herr. Schäff.: Lep. Exot., sp. nov. sér., i. f. 224 (1850–58).

Northia cyanecula. Walker: vii. 1600 (1856).

——— Butler: Ill. Typ. Lep. Het., B. M., i. p. 13, pl. 7, f. 8 (1877).

Glaucopis nigrigemma. Walker: i. 141 (1854).

Type of *nigrigemma*, N. China, in B. M.

a. Hong Kong (Champion). b. China.

253. Illiberis tenuis.

Northia tenuis. Butler: Ann. Mag. N. H. (4), xx. p. 394 (1877).

——— ——— ——— Ill. Typ. Lep. Het., B. M., ii. p. 4, pl. 21, f. 7 (1878).

Type. Japan, in B. M.

a. Japan.

254. Illiberis producens.

Syntomis producens. Walker: Journ. Linn. Soc., vi. p. 88 (1862).

——— ——— ——— xxxi. 65 (1864).

a. Sarawak, Borneo (type ♀) (Wallace).

GENUS **PROCRIS**. Fabr.: Syst. Gloss. Illiger's Mag., iv. (1805).

255. Procris tetragona.

Procris tetragona. Walker: xxxi. 62 (1864).

a. Batchian (type) (Wallace).

GENUS **CLELEA**. Walker: ii. 465 (1854).

256. Clelea sapphirina.

Clelea sapphirina. Walker: ii. 465 (1854).

Type. Hong Kong, in B. M.

a. Hong Kong (Champion).

GENUS **CEBYSA**. Walker: ii. 486 (1854).

257. Cebysa leucotelus.

Cebysa leucotelus. Walker: ii. 486 (1854).

Type. Sidney, in B. M.

a. New South Wales. b. New Holland. c. Van Dieman's Land (4).

GENUS **EURATA**. Herr. Schäff.: Lep. Exot., sp. nov. sér., i. (1850–58).

258. Eurata transacta.

Eurata transacta. Walker: vii. 1616 (1856).

a. China (type).

Sub-Family PHAUDINÆ.

Genus **PHAUDA.** Walker: i. 256 (1854).

259. Phauda tensipennis.

Phauda tensipennis. Walker: Journ. Linn. Soc., Lond., vi. p. 92 (1862).
—— —— —— —— xxxi. 106 (1864).

a. Sarawak (type) (Wallace).

260. Phauda sumatrensis.

Phauda sumatrensis. Walker: xxxi. 106 (1864).

a. Sumatra (type) (Wallace).

261. Phauda fortunii.

(*Nov. gen.*) *fortunii.* Herr. Schäff.: Lep. Exot., sp. nov. sér., i. f. 223 (1850–58).
Phauda fortunii. Walker: vii. 1634 (1856).
Euchromia triadum. Walker: i. 257 (1854).

Type of *triadum* from N. China, in B. M.

a. China (2).

262. Phauda flammans.

Euchromia (*Phauda*) *flammans.* Walker: i. 257 (1854).
Phauda flammans. Butler: Ill. Typ. Lep. Het., B. M., i. p. 20, pl. 9, f. 2 (1877).
Euchromia flammans. Cotes and Swinh.: Cat. Moths of India, ii. 53. 284 (1887).

Type. North India, in B. M.

a. India (Cantor). b. Upper India (Drinkwater).

263. Phauda fuscalis. n. sp.

♀ Wings smoky brown and semi-hyaline, the veins black, head, thorax, and abdomen black, the latter with short dorsal and ventral tufts of fiery red hairs and a long lateral tuft of hairs of the same colour.

Expanse of wings $1\frac{3}{4}$ inches.

a. Assam (type).

Distinguishable from the other species of the genus in having no red colour on the wings and in having veins 7 and 8 of the fore-wing on a footstalk.

Sub-Family CHALCOSIINÆ.

Genus **DOCLEA.** Walker: xxxi. 122 (1864).

264. Doclea syntomoides. Pl. II. f. 10.

Doclea syntomoides. Walker: xxxi. 122 (1864).

a. Malacca (type) (Wallace). b. Sula (Wallace).

GENUS **CAPRIMA**. Walker : xxxi. 129 (1864).

265. Caprima gelida. Pl. II. f. 3.

Caprima gelida. Walker: xxxi. 130 (1864).

a. Mysol (type) (Wallace). b. New Guinea (Wallace).
c. Wagaiu (Wallace).

266. Caprima mutilata. Pl. II. f. 15.

Soritia mutilata. Walker: xxxi. 121 (1864).

a. Mysol (type) (Wallace). b. New Guinea (2) (Wallace).

GENUS **ZYGÆNOPSIS**. Gen. Nov.

♂ Antennæ with short stout pectinations swollen towards their terminations and minutely ciliated with one to three long cilia at extremities, palpi short, slight, and porrect, mid and hind legs each with a minute pair of terminal spurs to the tibia. Fore-wing long and rather narrow, the apex and outer margin evenly rounded, vein 1 single, vein 2 from some way before the end of the cell, vein 3 from close to the end, 4 and 5 from the end, vein 9 gives off 7 and 8, vein 7 given off from 9 nearer the end of cell than 8, vein 10 from before the end of cell, 11 from two thirds the length and anastomosing with vein 12. Hind-wing long and narrow, the apex rather pointed, veins 1 *a*, 1 *b* straight, vein 2 from before the end of cell, vein 3 from just before the end, 4 and 5 from the end, 6 absent, 7 from the upper end of cell, 8 from a little before the end.

Type, *Z. fuscimarginalis.*

This genus should either be placed at the end of *Syntominæ* or commencement of *Chalcosiinæ*; the antennæ are characteristic of the latter, and the anastomosis of veins 11 and 12 of the fore-wing occur in many *Chalcosid genera*, while the absence of veins in the cell of either wing, and vein 1 of fore-wing not being double, and vein 1 of hind-wing not being treble, are *Syntomid* characters.

267. Zygænopsis fuscimarginalis. n. sp.

♂ Both wings fuscous with the central part of the disc from just

below the costa to near the inner margin hyaline, antennæ, head, thorax, abdomen, and legs fuscous.

Expanse of wings 1 inch.

a. Dorey (type) (Wallace).

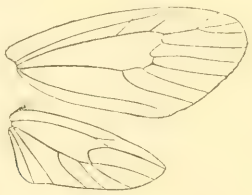
268. Zygænopsis flavib is. n. sp.

♀ Fore-wing hyaline, the veins and margins fuscous, the inner and outer margins rather broadly so, a large orange yellow spot on the inner margin at the base. Hind-wing fuscous, the costal area hyaline. Head, thorax, abdomen, and legs black above, orange yellow below, thorax with a large yellow spot on the vertex, abdomen yellow at the sides.

Expanse of wings $1\frac{1}{10}$ inches.

a. Ké Island (type) (Wallace).

In this species vein 9 of fore-wing gives off 7 and 8 together.



Zygænopsis flavibasis.

Genus **CALLIZYGÆNA.** Felder: Reise Nov. Lep., pl. 83, f. 4 (1868).

269. Callizygæna auricincta. n. sp.

♂ Antennæ, head, eyes, thorax, and abdomen deep black; antennæ bipectinated, branches below the shaft short and thick, shaft of antennæ, space between the antennæ and fore-part of thorax thickly covered with blue green scales, a thin red collar behind the head; abdomen with two broad golden bands, central and apical; tip black, short thick black hairs along the sides, wings dull black; fore-wing fairly clothed, hind-wing semi-diaphanous and consequently paler. Fore-wings with some blue green scales thinly scattered on the outer half and thickly placed on the central portion near the base, a thinly clothed space below the basal half of the median vein, a whitish spot at the end of the cell. Hind-wings unmarked; underside, wings, body, and legs dull blackish brown.

Expanse of wings 1 inch.

a. Nilgiri Hills (type).

Allied to *C.* (*Tuscia*) *gana* (Swinh.), Trans. Ent. Soc., 1891, p. 133; chiefly differs in its band of black hairs on either side of

the abdomen, the hairs in *C. gana* being crimson, in having no abdominal transverse bands below, and in the absence of the crimson pectus.

GENUS **TRIPANOPHORA**. Kollar: Hüg. Kasch., iv. pt. 2, p. 457 (1848)

270. Tripanophora semihyalina.

Tripanophora semihyalina. Kollar: Hüg. Kasch., iv. p. 457, pl. 19, f. 1–4 (1848).
——— Moore: Cat. Lep. E. I. C., ii. p. 322, pl. 14, f. 6 (1859).
——— Butler: Journ. Linn. Soc., Lond., 1876, p. 344.
——— Walker: ii. 434 (1854).
——— ——— xxxi. 126 (1864).
——— Cotes and Swinh.: Cat. Moths of India, ii. 56. 306 (1887).
Syntomis humeralis var. β. Walker: vii. 1593 (1856).
Syntomis glaucopoides. Walker: xxxi. 69 (1864).
Notioptera glaucopoides. Butler: Journ. Linn. Soc., Lond., 1876, p. 355.
——— Cotes and Swinh.: Cat. Moths of India, ii. 52. 279 (1887).

a. India (type of *humeralis var. β*). b. South India (type of *S. glaucopoides*). c. Ganjam (Minchin).

271. Tripanophora humeralis.

Syntomis humeralis. Walker: vii. 1593 (1856).
Tripanophora humeralis. Moore: Journ. As. Soc., Beng., lv. 2, p. 97 (1886).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 175.

a. India (♂ ♀ types).

GENUS **SORITIA**. Walker: ii. 435 (1854).
Retina. Walker: ii. 439 (1854).

272. Soritia leptalina.

Chalcosia leptalina. Kollar: Kasch. von Hügel, p. 462 (1848).
Soritia leptalina. Walker: ii. 435 (1854).
Eterusia sexpunctata. Walker: ii. 432 (1854).
Soritia sexpunctata. Cotes and Swinh.: Cat. Moths of India, ii. 76. 449 (1887).

Type of *sexpunctata* from Silhet, in B. M.
a. Khasia Hills (2). b. Assam (2). c. Silhet.

273. Soritia circinata.

Heterusia circinata. Herr. Schäff.: Lep. Exot., sp. nov., sér. i. f. 156, 157 (1854).
——— Cotes and Swinh.: Cat. Moths of India, ii. 67. 370 (1887).

Eterusia circinata. Walker: vii. 1672 (1856).

a. Assam. b. India (2).

274. Soritia pulchella.

Chalcosia pulchella. Kollar: Kasch. von Hügel, p. 461 (1848).
Eterusia pulchella. Walker: ii. 431 (1854).
——— vii. 1671 (1856).
——— Moore: P. Z. S., Lond., 1876, p. 678.
Soritia pulchella. Cotes and Swinh.: Cat. Moths of India, ii. 67. 380 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 175.
Heterusia cicada. Felder: Reise Nov. Lep., pl. 83, f. 8 (1868).
——— Cotes and Swinh.: Cat. Moths of India, ii. 66. 369 (1887).
Heterusia octopunctata. Mösch.: Stett. Ent. Zeit., xxxiii. p. 344 (1872).
——— Cotes and Swinh.: Cat. Moths of India, ii. 67. 379 (1887).
Eterusia triliturata. Walker: xxxi. 119 (1864).
——— Cotes and Swinh.: Cat. Moths of India, ii. 68. 387 (1887).

Type (*triliturata*). Mussoorie, in B. M.

a. India (10). b. Sylhet.

275. Soritia bipartita. Pl. II. f. 9.

Soritia bipartita. Walker: Journ. Linn. Soc., Lond., vi. p. 99 (1862).
——— xxxi. 121 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Singapore (Wallace).

276. Soritia elizabetha.

Eterusia elizabetha. Walker: ii. 433 (1854).
——— vii. 1672 (1856).

Type. North China, in B. M.

a. China.

277. Soritia rubrivitta.

Retina rubrivitta. Walker: ii. 439 (1854).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 25, pl. 84 f. 4 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 75. 440 (1887).

Type. Silhet, in B. M.

a. India.

GENUS **HETEROPAN.** Walker: ii. 440 (1854).
Birtina. Walker: xxxi. 125 (1864).

278. Heteropan lycænoides. Pl. II. f. 12.

Birtina lycænoides. Walker: xxxi. 125 (1864).

a. New Guinea (type) (Wallace). b. Salawan (Wallace).

GENUS **AGALOPE**. Walker: ii. 438 (1854).

279. Agalope hyalina.

Chalcosia hyalina. Kollar: Kasch. von Hügel, p. 462 (1848).
Soritia (?) *hyalina*. Walker: ii. 436 (1854).
– ———— Cotes and Swinh.: Cat. Moths of India, ii. 76. 446 (1887).
Agalope basalis. Walker: ii. 438 (1854).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 26, pl. 84, f. 5 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 74. 429 (1887).
Agalope primularis. Butler: P. Z. S., Lond., 1875, p. 392.
———— Ill. Typ. Lep. Het., B. M., v. p. 26, pl. 84, f. 7 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 74. 431 (1887).

Types, *basalis* and *primularis*. North India and Darjiling, in B. M.
a. Assam (Jenkins). b. India (3).

GENUS **PHILOPATOR**. Moore: P. Z. S., Lond., 1865, p. 800.

280. Philopator basimaculata.

Philopator basimaculata. Moore: P. Z. S., Lond., 1865, p. 800, pl. 42, f. 6.
———— Walker: xxxv. 1870 (1866).
———— Cotes and Swinh.: Cat. Moths of India, ii. 64. 360 (1887).

Type. Darjiling, in coll. Moore.
a. Darjiling (Higgins). b. India.

GENUS **CHELURA**. Hope: Trans. Linn. Soc., Lond., xviii. p. 444 (1841).

281. Chelura bifasciata.

Chelura bifasciata. Hope: Trans. Linn. Soc., Lond., xviii. p. 444 (1841).
———— Walker: ii. 437 (1854).
———— Cotes and Swinh.: Cat. Moths of India, ii. 77. 451 (1887).

a. Nepal (type) (Kirby). b. Khasia Hills. c. India (2).

282. Chelura glacialis.

Chelura glacialis. Moore: P. Z. S., Lond., 1872, p. 570.
———— Cotes and Swinh.: Cat. Moths of India, ii. 77. 453 (1887).

a. India (type). b. Darjiling (Higgins).

GENUS **HERPA**. Walker: ii. 441 (1854).

283. Herpa venosa.

Herpa venosa. Walker: ii. 442 (1854).
———— Moore: Cat. Lep. E. I. C., ii. p. 330, pl. 8 *a*, f. 6 (1859).

Herpa venosa. Cotes and Swinh.: Cat. Moths of India, ii. 75. 439 (1887).

Type. Silhet, in B. M.

a. Cherra Punji. b. Silhet. c. Assam (2).

GENUS **PIDORUS.** Walker: ii. 424 (1854).

Laurion. Walker: ii. 427 (1854).

284. Pidorus circe.

Milleria circe. Boisd.: Herr. Schäff., Lep. Exot. Sp. Nov., pl. 1, f. 2 (1853).
Laurion circe. Walker: vii. 1671 (1856).
——— Moore: P. Z. S., Lond., 1867, p. 678.
——— Cotes and Swinh.: Cat. Moths of India, ii. 74. 432 (1887).
Laurion metallica. Walker: ii 426 (1854).

Type of *metallica* from Silhet, in B. M.

a. Silhet (4). b. Assam.

285. Pidorus corculum.

Laurion corculum. Butler: Trans. Linn. Soc., Lond., (2) i. p. 558 (1879).

Type. Malacca, in B. M.

a. Singapore (Wallace).

286. Pidorus circumdata.

Eterusia circumdata. Walker: xxxi. 121 (1864).
Heterusia circumdata. Cotes and Swinh.: Cat. Moths of India, ii. 66. 371 (1887).

Type. India, in coll. Stoudinger.

a. India (3). b. Assam.

287. Pidorus gemina.

Laurion gemina. Walker: ii. 427 (1854).
——— vii. 1671 (1856).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 176.
——— Cotes and Swinh.: Cat. Moths of India, ii. 74. 433 (1887).
Milleria gemina. Walker: xxxi. 117 (1864).
——— Moore: Trans. Linn. Soc., Lond., 1886, p. 54.
Milleria bifasciata. Walker: Journ. Linn. Soc., Lond., vi. p. 99 (1862).
——— xxxi. 117 (1864).

Type. Hong Kong, in B. M.

a. Cambodia, Siam (Mouhot). b. Assam (Jenkins). c. India. d. Sarawak, Borneo (type of *bifasciata*) (Wallace).

288. Pidorus glaucopis.

Phalæna glaucopis. Drury: Ins. Exot. ii. p. 11, pl. 6, f. 4 (1773).
——— Cramer: Pap. Exot. iv. pl. 322, f. D (1780).
Zygæna glaucopis. Fabr.: Sp. Ins. ii. p. 164. 37 (1781).
——— Mant. Ins. ii. 105. 45 (1787).
——— Ent. Syst., iii. 400. 47 (1793).
Leucopsumis glaucopis. Hübner: Verz. bek. Schm., 177. 1827 (1816).
Callimorpha glaucopis. Westw.: ed. Drury, ii. pl. 6, f. 4 (1837).
Pidorus glaucopis. Walker: ii. 424 (1854).

Pidorus glaucopis. Cotes and Swinh.: Cat. Moths of India, ii. 75. 441 (1887).

a. Assam (Jenkins). b. India (2) (Ashmol. Mus.). c. China. d. Silhet.

289. Pidorus constrictus.

Pidorus constrictus. Walker: Journ. Linn. Soc., Lond., iii. p. 185 (1859).
——————————— xxxi. 117 (1864).

a. Singapore (type) (Wallace). b. ?

290. Pidorus sordidus. Pl. II. f. 14.

Pidorus sordidus. Walker: Journ. Linn. Soc., vi. 98 (1862).
——————————— xxxi. 117 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Sumatra (2) (Wallace).

GENUS **CORMA.** Walker: xxxi. 124 (1864).

Codane. Moore: Descr. Ind. Lep. Atk., i. p. 17 (1879).

291. Corma obscurata. Pl. II. f. 8.

Corma obscurata. Walker: xxxi. 124 (1864).

a. Sumatra (type) (Wallace).

292. Corma zenotea.

Pidorus zenotea. Walker: ii. 425 (1854).
Codane zenotea. Moore: Descr. Ind. Lep. Atk., i. p. 17 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 76. 444 (1887).
Corma spoliata. Walker: xxxi. 125 (1864).

Type. Maulmein, in B. M.

a. Cambodia, Siam (type of *spoliata*) (Mouhot).

GENUS **CYCLOSIA.** Hübner: Verz. Schm., 177 (1816).

293. Cyclosia panthona.

Phalæna panthona. Cramer: Pap. Exot., iv. pl. 322, f. C (1780).
Cyclosia panthona. Walker: ii. 417 (1854).
——————— Moore: Lep. Ceylon, ii. p. 44, pl. 97, f. 1, 1 *a*, 1 *b* (1882).
——————————— Trans. Linn. Soc., Lond., 1886, p. 54.
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 176.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 73. 425 (1887).

a. Ceylon (2) (Thwaites). b. Assam (2) (Jenkins). c. Cambodia, Siam (2) (Mouhot). d. India (3). e. Silhet.

294. Cyclosia nivipetens.

Cyclosia nivipetens. Walker: Journ. Linn. Soc., Lond., vi. p. 95 (1863).
——————————— xxxi. 112 (1864).

a. Singapore (type) (Wallace). b. Singapore.

295. Cyclosia tenebrosa.

Cyclosia tenebrosa. Walker: Journ. Linn. Soc., Lond., vi. p. 96 (1863).
———————— xxxi. 113 (1864).

a. Borneo (type). b. Makessar, Celebes (Wallace). c. Sumatra (Wallace).

296. Cyclosia castigata.

Cyclosia castigata. Walker: xxxi. 115 (1864).

a. Sumatra (type) (Wallace).

297. Cyclosia macularia.

Gynautocera macularia. Guér.: Voy. Deless. Hist. Nat., p. 83, pl. 25, f. 2 (1843).
Chalcosia macularia. Walker: ii. 424 (1854).
Klaboana macularia. Moore: P. Z. S., Lond., 1879, p. 393.
Chalcosia macularia. Pagenstecher: in Jahrb. des Nass. ver. Naturk., 1885.

a. Mount Ophir. b. Singapore (2) (Horsley).

298. Cyclosia chuna. n. sp.

♂ Antennæ and head black with green reflections, frons luteous, collar and tip of abdomen crimson, thorax and abdomen glaucus green, thorax with some pale marks, abdomen with whitish segmental thin bands. Wings thinly clothed, fore-wings whitish on the basal half with black veins, a broad black band beyond the middle and a narrower one in the margin, leaving a discal whitish band divided by the black veins and narrowing hindwards.

Hind-wings black with a whitish broad marginal band which runs narrowly up the abdominal margin and is edged outwardly with a narrow glaucus green band from the apex hindwards to the first median veinlet.

Underside, wings as above, thorax cyaneous, abdomen whitish down the centre, legs brown above, whitish beneath.

Expanse of wings 1½ inch.

a. Menado, Celebes (type) (Stevens).

299. Cyclosia papilionaris.

Phalæna papilionaris. Drury: Ins. Exot., ii. p. 4, pl. 2, f. 4 (1773).
———————— Cramer: Pap. Exot., i. pl. 29, f. A (1775).
Esthema papilionaris. Hübner: Verz. bek. Schm., 178, 1837 (1816).
Heleona papilionaris. Westw.: ed. Drury, ii. 4, pl. 2, f. 4 (1837).
Cyclosia papilionaris. Walker: ii. 416 (1854).
———————— Moore: Trans. Linn. Soc., Lond., 1886, p. 54.
Epyrgis papilionaris. Cotes and Swinh.: Cat. Moths of India, ii. 72. 419 (1887).
———————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 176.
Phalæna venaria. Fabr.: Ent. Syst., iii. 2. 156. 99 (1794).

a. Assam (3) (Jenkins). b. India. c. Silhet. d. Cambodia, Siam (Mouhot).

300. Cyclosia spargens.

Cyclosia spargens. Walker: xxxi. 115 (1864).

a. Makessar, Celebes (type) (Wallace).

301. Cyclosia enodis. n. sp. Pl. II. f. 2.

♀ White, lines and markings brown, antennæ and palpi brown, the latter white beneath, shaft of antennæ and thorax blackish brown with a blue green sheen in some lights; collar with two white bands, thorax with white marks, abdomen white with broad blackish brown segmental bands, blue green in some lights. Fore-wings with the markings much as in *E. papilionaris* (Drury), but the vein stripes are broader, are blackish brown of a dullish colour without the brilliant blue green sheen of that species, and the discal band of ovate spots is more regularly curved and complete, consisting of seven in complete succession. Hind-wings with the vein stripes broader, and the blackish outer border much deeper than in *papilionaris*, covering nearly half the wing.

Expanse of wings 2½ inches.

a. Sumatra (type) (Wallace).

A whiter insect than *E. papilionaris*, and perfectly distinct.

302. Cyclosia chartacea. n. sp. Pl. II. f. 1.

♀ Antennæ and thorax as in the preceding, but the bands and markings yellowish, not pure white, abdomen whitish without segmental bands, the segments being marked by pale brownish lines. Wings pure white, fore-wings with the general character of *E. papilionaris*, but with only two longitudinal white spaces above the median vein in the basal half, not three as in that species, the entire cell space being clear white; there is also no brown stripe on the submedian vein, the interspace above and below forming one clear white stripe. Hind-wing all pure white without any vein streaks, marginal border blackish brown, excavated in its middle and with dentations on veins three, four, and five, abruptly fining down to the anal angle, and with five sub-marginal white spots in the interspaces from vein 1 *b* upwards.

Expanse of wings $2\frac{2}{10}$ inches.

a. Manilla (type).

The wings are devoid of sheen and the colouration is whiter than in any other species known to me.

GENUS **MILLERIA.** Herr. Schäff.: Lep. Exot. Sp. Nov., i. p. 4 (1853).

303. Milleria virginalis.

Milleria virginalis. Herr. Schäff.: Lep. Exot. Sp. Nov., i. f. 4 (1853).
——————— Walker: vii. 1669 (1856).
——————— Moore: P. Z. S., Lond., 1867, p. 678.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 73. 425 (1887).

Cyclosia subcyanescens. Walker: ii. 417 (1854).

Type, *subcyanescens*, from Silhet, in B. M.

a. India (2). b. Silhet.

304. Milleria fuliginosa.

Cyclosia fuliginosa. Walker: ii. 418 (1854).
——————— Moore: P. Z. S., Lond., 1867, p. 678.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 75. 436 (1887).
Milleria fuliginosa. Butler: Ill. Typ. Lep. Het., B. M., v. p. 22, pl. 83, f. 6 (1881).

Type. Silhet, in B. M.

a. Assam (Jenkins).

305. Milleria hamiltoni.

Milleria hamiltoni. Swinhoe: Trans. Ent. Soc., Lond., 1891, p. 475.

Type. Khasia Hills, in B. M.

a. Assam.

306. Milleria ficta. Pl. II. f. 4.

Cyclosia ficta. Walker: Journ. Linn. Soc., Lond., vi. p. 97 (1862).
——————— xxxi. 113 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **ISBARTA**. Walker: vii. 1672 (1856).

307. Isbarta glauca.

Isbarta glauca. Walker: vii. 1672 (1856).
Chalcosia glauca. Pagenstecher: in Jahrb. des Nass. ver. Naturk., 1885, p. 9, pl. 2, f. 2.
Arycanda hestinoides. Walker: Journ. Linn. Soc., vi. p. 98 (1862).
——————— xxxi. 123 (1864).

Type. Sumatra, in B. M.

a. Singapore (Horsley). b. Sarawak, Borneo (type of *A. hestinoides*) (Wallace). c. Sumatra (co-type of *A. hestinoides*) (Wallace).

308. Isbarta pieroides.

Cyclosia pieroides. Walker: Journ. Linn. Soc., Lond., vi. p. 96 (1862).
——————— xxxi. 113 (1864).
Isbarta lactea. Butler: Ann. Nat. Hist. (4), xii. p. 160 (1883).

Type *lactea*, from Java, in B. M.

a. Sarawak, Borneo (type) (Wallace). b. Penang (Omerod).

309. Isbarta dissimulata.

Cyclosia dissimulata. Walker: Journ. Linn. Soc., Lond., vi. p. 96 (1862)
——————— xxxi. 113 (1864).

a. Sarawak, Borneo (type) (Wallace).

310. Isbarta pieridoides.

Epyrgis pieridoides. Herr. Schäff.: Lep. Exot. Sp. Nov., i. pl. 1, f. 5 (1853).

Cyclosia pieridoides. Walker: vii. 1669 (1856).

a. Sumatra (Wallace). b. Sarawak, Borneo (2) (Wallace). c. Singapore (Horsley).

GENUS **MINEUPLŒA.** Butler: P. Z. S., Lond., 1877, p. 169.

311. Mineuplœa danaides. Pl. II. f. 6.

Cyclosia danaides. Walker: xxxi. 114 (1864).

a. Sumatra (type) (Wallace).

312. Mineuplœa sobria.

Pompelon sobria. Walker: xxx. 112 (1864).

a. Cambodia, Siam (type) (Mouhot).

313. Mineuplœa inornata.

Pompelon inornata. Walker: xxxi. 111 (1864).

a. Sumatra (type) (Wallace).

GENUS **POMPELON.** Walker: ii. 413 (1854).

314. Pompelon marginata.

Gynautocera marginata. Guér.: Voy. Deless. Hist. Nat., p. 83, pl. 25, f. 1 (1843).

Pompelon marginata. Walker: ii. 414 (1854).

Heterusia atrocyanum. Herr. Schäff.: Lep. Exot. Sp. Nov., i. f. 157, 158 (1854).

a. Makessar, Celebes (Wallace). b. Sarawak, Borneo (Wallace). c. Java.

315. Pompelon subcyanea. n. sp.

♂ ♀ Black, very thin crimson collar, abdomen with crimson on the sides and at the tip. Wings black, or very dark blackish brown, fore-wings with the costa and about one-third of the outer portion with brilliant cyaneous reflections; hind-wings with these reflections confined to the apical portions. Underside, body crimson with black bands, legs black, wings dull brown, a large ochreous spot at end of upper part of cell, and with cyaneous reflections on all the veins, on fore-wings broadly on the costa and outer third of wings and on the apical portion of hind-wings.

Expanse of wings $2\frac{3}{10}$ inches.

a. Singapore (type) (Horsley). b. Singapore (Horsley).

Wings narrower than in *P. marginata* (Guér.), the cyaneous reflections are much more extended into the fore-wings, especially so on the underside, where in *P. marginata* there are no reflections at all on the outer portions of the wings.

316. Pompelon rotundata. n. sp.

♂ ♀ Blackish brown with a reddish tinge, shaft of antennæ glistening blue. Wings above with no cyaneous reflections except at the apices, these reflections limited to a very narrow space on the fore-wings; underside, body and wings much as in *P. marginata.*

Expanse of wings $2\frac{4}{10}$ inches.

a. Java (♂ ♀ types).

Quite distinct from *P. marginata,* of a lighter and redder colour, and with absolutely no cyaneous reflections on the costa of fore-wings above; this wing is also shorter and very much more rounded at apex and outer margin.

GENUS **DIDINA.** Walker: Journ. Linn. Soc., Lond., vi. p. 99 (1862).

317. Didina thecloides.

Didina thecloides. Walker: Journ. Linn. Soc., Lond., vi. p. 99 (1862).
——————————— xxxi. 123 (1864).
Cyclosia uniformis. Butler: P. Z. S., Lond., 1877, p. 169.

a. Sarawak, Borneo (type) (Wallace).

318. Didina invaria.

Didina invaria. Walker: xxxi. 123 (1864).

a. Sumatra (type) (Wallace).

GENUS **CHALCOSIA.** Hübn.: Verz. Schm., 173 (1816).

319. Chalcosia thallo.

Papilio thallo. Linn.: Syst. Nat., ii. 656. 62 (1767).
Sphinx thallo. Donovan: Ins. China, pl. 41, f. 1 (1798).
Sphinx pectinicornis. Linn.: Syst. Nat., ii. 807. 44 (1767).
Zygæna pectinicornis. Fabr.: Syst. Ent., 554. 18 (1775).
——————————— Sp. Ins., ii. 164. 35 (1781).
——————————— Mant. Ins., ii. 105. 42 (1787).
——————————— Ent. Syst., iii. 1. 399. 44 (1793).
Chalcosia pectinicornis. Hübner: Verz. bek. Schm., 173. 1785 (1816).
——————————— Walker: ii. 420 (1854).
——————————— – vii. 1669 (1856).
Gynautocera pectinicornis. Guér.: Voy. Deless. Nat. Hist., pl. 24, f. 4 (1843).
Bombyx tiberina. Cramer: Pap. Exot., i. pl. 32, f. C. D (1775).
Chalcosia tiberina. Hübner: Samml. Exot. Schm., ii. 1, f. 1. 4 (1806–24).
——————————— Walker: ii. 472 (1854).

a. China.

320. Chalcosia albata.

Chalcosia albata. Moore: P. Z. S., Lond., 1879, p. 390.
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 71. 408 (1887).

Type. Dharmsala, in coll. Moore.

a. India (2).

321. Chalcosia argentata.

Chalcosia argentata. Moore: Descr. Ind. Lep. Atk., i. p. 17 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 71. 409 (1887).

Type. Hazara, in coll. Stoudinger.
a. India (2). b. Silhet (2).

322. Chalcosia diana.

Chalcosia diana. Butler: P. Z. S., Lond., 1877, p. 815.

Type. Formosa, in B. M.
a. Amoy, China.

323. Chalcosia venosa.

Chalcosia venosa. Walker: ii. 422 (1854).
——————— Moore: Lep. Ceylon, ii. p. 45, pl. 97, f. 2, 2 *a* (1882).
Callamesia venosa. Cotes and Swinh.: Cat. Moths of India, ii. 70. 405 (1887).
Chalcosia similata. Moore: Lep. Ceylon, ii. p. 45, pl. 97, f. 3, 3 *a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 70. 414 (1887).

Type. Ceylon, in B. M.
a. Ceylon (4).

324. Chalcosia phalænaria.

Gynautocera phalænaria. Guérin: Voy. Deless. Hist. Nat., p. 84, pl. 24, f. 1 (1843).
Chalcosia phalænaria. Walker: ii. 421 (1854).

a. Java (5) (Horsfield).

325. Chalcosia coliadoides.

Chalcosia coliadoides. Walker: Journ. Linn. Soc., Lond., vi. p. 97 (1862).
——————— xxxi. 116 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Sarawak, Borneo (2) (Wallace). c. Singapore (3) (Horsley). d. ? (Hewitson).

326. Chalcosia affinis.

Gynautocera affinis. Guér.: Voy. Deless. Hist. Nat., p. 86, pl. 24, f. 2 (1843).
Chalcosia affinis. Butler: Ann. Mag. N. H., (5) v. p. 223 (1880).
——————— Moore: Lep. Ceylon, ii. p. 45, pl. 98, f. 2 (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 292.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 71. 407 (1887).

a. Ceylon.

327. Chalcosia idæoides.

Epyrgis idæoides. Herr. Schäff.: Lep. Exot. Sp. Nov., i. pl. 1, f. 6 (1853).

a. India. b. Assam.

328. Chalcosia corusca.

Milleria corusca. Boisd.: Herr. Schäff., Lep. Exot. Sp. Nov., pl. 1, f. 1 (1853).
Chalcosia corusca. Walker: vii. 1670 (1856).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 71. 410 (1887).
Chalcosia zuleika. Walker: ii. 423 (1854).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 72. 416 (1887).

a. Assam (Jenkins). b. India. c. Silhet.

329. Chalcosia inclusa.

Pidorus inclusus. Walker: xxxi. 117 (1864).
Chalcosia bicolor. Moore: P. Z. S. Lond., 1879, p. 390.

Type, *bicolor.* Sumatra, in coll. Moore.
a. Sumatra (type) (Wallace).

330. Chalcosia fragilis. Pl. II. f. 7.

Chalcosia fragilis. Walker: Journ. Linn. Soc., Lond., vi. p. 98 (1862).
——————— xxxi. 116 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Sumatra (Wallace).

331. Chalcosia distincta.

Gynautocera distincta. Guér.: Voy. Deless. Hist. Nat., p. 85, pl. 24, f. 3 (1843).
Chalcosia distincta. Walker: ii. 423 (1854).
——————— Moore: Trans. Linn. Soc., Lond., xxi. p. 54 (1886).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 175.
——————— Pagenstecher: in Jahrb. des Nass. ver. Naturk., 1885,
Eterusia distincta. Walker: vii. 1670 (1859).
——————— Moore: Cat. Lep. E. I. C., ii. p. 320 (1859).
——————— Snellen: Med. Sum. Lep., p. 31.
Heterusia distincta. Cotes and Swinh.: Cat. Moths of India, ii. 66. 372 (1887).

a. Cambodia, Siam (Mouhot). b. Singapore (Horsley).

332. Chalcosia osseata.

Eterusia osseata. Walker: xxxi. 120 (1864).

a. Sumatra (type) (Wallace).

333. Chalcosia indistincta. n. sp.

♂ ♀ Antennæ black, shaft covered with blue green shining scales, head, collar, and abdomen yellow, thorax brown, front of head with blue green scales. Fore-wings of a dirty pinkish grey, with greenish or bluish black elongated large spots in the interspaces as in *C. distincta* (Guérin). Hind-wings dirty white, a narrowish marginal macular border of greenish black spots on a blue ground in the interspaces, three or four similar discal spots, and the cell filled in with the same colour. Underside, wings of a uniform pale shining glaucus green with the spots faintly showing through, face and

pectus white, vertex ochreous yellow, thorax whitish, nearly hidden by the large shining green black spots, abdomen yellow, with green black transverse bands, confined to ventral surface in the female, legs black streaked with white.

Expanse of wings $1\frac{9}{10}$ inches.

a. Borneo (♀ type).

Allied to *C. distincta*, differs chiefly in its maculated hind-wings and in the green colouration of the wings beneath, *C. distincta* being white.

Genus **CANERKES**. Moore: P. Z. S., Lond., 1865, p. 802.

334. Canerkes euschemoides.

Canerkes euschemoides. Moore: P. Z. S., Lond., 1865, p. 802, pl. 42, f. 8.
——— Walker: xxxv. 1870 (1866).
——— Cotes and Swinh.: Cat. Moths of India, ii. 63. 349 (1887).

Type. Silhet, in coll. Moore.

a. Assam. b. India (2).

335. Canerkes resumpta.

Euschema resumpta. Walker: Journ. Linn. Soc., Lond, vi. p. 94 (1862).
——— — xxxi. 172 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Singapore (Wallace). c. Java (3).

Genus **HISTIA**. Hübn.: Verz. bek. Schm., p. 198 (1816).

336. Histia flabellicornis.

Zygæna flabellicornis. Fabr.: Sp. Ins., ii. 163. 32 (1781).
——— Mant. Ins., ii. 105. 38 (1787).
——— Ent. Syst., iii. 1398. 40 (1793).
Histia flabellicornis. Hübner: Verz. bek. Schm., 198. 2015 (1816).
——— Walker: ii. 412 (1854).
——— Cotes and Swinh.: Cat. Moths of India, ii. 69. 396 (1887).
Papilio rhodope. Cramer: Pap. Exot., i. pl. 30, f. E (1775).

a. Assam (Jenkins). b. Silhet. c. India (3).

Genus **GYNAUTOCERA**. Guér.: Mag. Zool., 1830, p. 12.

337. Gynautocera papilionaria.

Gynautocera papilionaria. Guér.: Mag. Zool., 1830, p. 12.
——— Walker: ii. 411 (1854).
——— Cotes and Swinh.: Cat. Moths of India, ii. 69. 399 (1887).
Histia papilionaria. Moore: P. Z. S., Lond., 1878, p. 846.
Chalcosia selene. Kollar: Kasch. von Hügel, iv. p. 463 (1848).

a. Laos, Siam (Mouhot). b. Silhet. c. Assam (2) (Jenkins). d. India (2).

338. Gynautocera fraterna.

Histia fraterna. Moore: P. Z. S., Lond., 1883, p. 15.
———— Cotes and Swinh.: Cat. Moths of India, ii. 69. 398 (1887).
Gynautocera fraterna. Butler: Ill. Typ. Lep. Het., B. M., vii. p. 27, pl. 121, f. 7 (1889).

Type. Calcutta, in B. M.

a. Calcutta. b. India.

339. Gynautocera virescens.

Histia virescens. Felder: Sitz. Akad. Wiss., xliii. p. 29 (1862).
———— Reise Nov. Lep., iv. pl. 83, f. 9 (1874).
———— Walker: xxxi. 111 (1864).

a. Bachian (Wallace). b. Ternate (Wallace). c. Morty (Wallace).

Genus **PINTIA.** Walker: ii. 280 (1854).

340. Pintia insularis. n. sp.

♂ ♀ Antennæ black, shaft tinged with glaucus green, head, thorax, and abdomen glaucus green, shining and blue in some lights, front of head whitish. Fore-wings black, with a sub-apical whitish macular band of two largish spots, each spot divided by the veins and covered with minute blackish scales. Hind-wings brown, with the white spots below partially showing through at the apex and outer portions, and with the whole of the interior portion of the wings shining blue green, being densely covered with scales of that colour.

Underside, wings blackish brown, fore-wing with the white sub-apical band clear and without the minute black scales, a white streak from the base halfway through the centre of the wing. Hind-wings with the interspaces white, leaving the veins and outer margin brown, body and legs whitish irrorated with brown.

Expanse of wings $1\frac{2}{10}$ inches.

a. Singapore (type) (Swinhoe). b. Singapore (Horsley).

Has rounder wings than *P. ferrea* (Walker), is a much smaller insect of much the same pattern below, but is unique in its beautiful blue green hind-wings above; it is not uncommon in the Malay archipelago. I have it in my own collection from Singapore and Johore, and it is in the B. M. from Sumatra.

341. Pintia ferrea.

Eterusia ferrea. Walker: ii. 431 (1854).
———— vii. 1671 (1856).
Pintia ferrea. Butler: Ill. Typ. Lep. Het., B. M., v. p. 23, pl. 83, f. 7 (1881).
— ———— Cotes and Swinh.: Cat. Moths of India, ii. 68. 392 (1887).

Type. Hong Kong, in B. M.

a. Sumatra (2) (Wallace). b. Assam (Jenkins). c. Silhet. d. India. e. Nilgiri Hills.

GENUS **CAMPYLOTES**. Westw.: in Royle's Ill. Him., xi. p. liii. (1840).

342. Campylotes histrionicus.

Campylotes histrionicus. Westw.: in Royle's Ill. Him., xi. p. xliii, pl. 10, f. 1 (1840).
———— Arcana Ent., p. 20 (1843).
———— Walker: ii. 420 (1854).
———— Cotes and Swinh.: Cat. Moths of India, ii. 77. 456 (1887).
———— Elwes: P. Z. S., Lond., 1890, p. 383.
Chalcosia histrionica. Kollar: Kasch. von Hügel, p. 463 (1848).

Type. Himalayas, in coll. Royle.
a. Nepal. b. Assam. c. India (3).

343. Campylotes prattii.

Campylotes prattii. Leech: Entom., 1890, p. 109.
———— Elwes: P. Z. S., Lond., 1890, p. 385.

Type. Central China, in coll. Leech.
a. Central China.

344. Campylotes atkinsoni.

Campylotes atkinsoni. Moore: Descr. Ind. Lep. Atk., i. p. 17 (1879).
———— Waterhouse: Aid., ii. pl. 92 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 77. 455 (1887).
———— Elwes: P. Z. S., Lond., 1890, p. 385.

Type. Darjiling, in coll. Stoudinger.
a. India.

GENUS **CADPHISES**. Moore: P. Z. S., Lond., 1865, p. 801.

345. Cadphises maculata.

Cadphises maculata. Moore: P. Z. S., Lond., 1865, p. 801, pl. 42, f. 7.
———— Walker: xxxv. 1870 (1866).
———— Cotes and Swinh.: Cat. Moths of India, ii. 65. 361 (1887).

Type. Darjiling, in coll. Moore.
a. Assam (Jenkins).

GENUS **CALLAMESIA**. Butler: Ann. Mag. Nat. Hist. (5), xvi. p. 345 (1885).

346. Callamesia midama.

Epyrgis midama. Boisd.: Herr. Schäff., Lep. Exot. Sp. Nov., pl. 2, f. 7 ♂ (1853).
Chalcosia midama. Walker: vii. 1670 (1856).
Amesia midama. Moore: Lep. Ceylon., ii. p. 46, pl. 98, f. 1, 1 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 70. 401 (1887).

Callamesia midama. Butler: Ann. Mag. N. H. (5), xvi. p. 345 (1885).
Epyrgis hormenia. Boisd.: Herr. Schäff., Lep. Exot. Sp. Nov., pl. 2, f. 8 ♀ (1853).
Callamesia hormenia. Cotes and Swinh.: Cat. Moths of India, ii. 70. 404 (1887).
Cyclosia venusta. Walker: ii. 414 (1854).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 73. 426 (1887).
Amesia stelligera. Butler: Ill. Typ. Lep. Het., B. M., v. p. 23, pl. 83, f. 8, 9, ♂ ♀ (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 70. 403 (1887).

Type, *venusta.* Silhet, in B. M.
Type, *stelligera.* Bhotan, in B. M.
a. Silhet (4). b. India (2) (Ashmol. Mus.). c. Assam (Jenkins). d. India (2). e. Burma. f. Cambodia, Siam (2) (Mouhot).

347. Callamesia submaculans.

Cyclosia submaculans. Walker: Journ. Linn. Soc., Lond., iii. 185 (1859).
——————————— xxxi. 112 (1864).

a. Singapore (type) (Wallace).

GENUS **AMESIA.** Westw.: Arcana Ent., p. 20 (1841); Nat. Library Ent., vii. p. 93 (1841).

348. Amesia sanguiflua.

Phalæna sanguiflua. Drury: Ins. Exot., ii. p. 35, pl. 20, f. 1, 2 (1773).
Callimorpha sanguiflua. Westw.: ed. Drury, ii. p. 37, pl. 20, f. 1, 2 (1837).
Cyclosia sanguiflua. Walker: ii. 415 (1854).
Amesia sanguiflua. Westw.: Arcana Ent., p. 20 (1841).
——————————— Nat. Libr. Ent., vii. p. 93, pl. 3, f. 3 (1841).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 70. 402 (1887).

a. Assam (Jenkins). b. India (3).

349. Amesia aliris.

Gynautocera (Amesia) aliris. Double: Ann. Mag. N. H. (1), xix. p. 74 (1847).
Cyclosia aliris. Walker: ii. 415 (1854).
Amesia aliris. Butler: Ill. Typ. Lep. Het., B. M., v. p. 24, pl. 83, f. 10 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 70. 400 (1887)

a. India. b. Silhet (3).

350. Amesia namouna.

Gynautocera namouna. Double: Ann. Nat. Hist., xix. p. 74 (1847).
Cyclosia namouna. Walker: ii. 414 (1854).
Epyrgis euplœoides. Herr. Schäff.: Lep. Exot. Sp. Nov., i. pl. 2, f. 9, 10 (1853).

Cyclosia euplœoides. Walker: vii. 1669 (1856).
Cyclosia semiradiata. Walker: xxxi. 113 (1864).

a. Sumatra (type *semiradiata*) (Wallace). b. Sumatra (Wallace).

351. Amesia semiradiata.

Cyclosia radiata. Walker: M. S.
Cyclosia semiradiata, var. β. Walker: xxxi. 113 (1864).

a. Sumatra (type *var. β*) (Wallace). b. Sumatra (Wallace).

As Walker's type of *semiradiata* becomes a synonym of *A. euplœoides* (Herr. Schäff.), his *var. β* becomes the type of this species: the two species appear to be quite distinct, and there are both sexes of each in the Museum collection.

352. Amesia pexifascia.

Amesia pexifascia. Butler: Trans. Linn. Soc., Lond., xiii. p. 115 (1877).
——————— Trans. Linn. Soc. (2), i. 557 (1879).

Type. Malacca, in B. M.
a. Penang (2) (Omerod).

353. Amesia noctipennis.

Cyclosia noctipennis. Walker: Journ. Linn. Soc., Lond., vi. p. 95 (1862).
——————— xxxi. 112 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **ERASMIA.** Hope: Trans. Linn. Soc., Lond., xviii. p. 446 (1841).

354. Erasmia pulchella.

Erasmia pulchella. Hope: Trans. Linn. Soc., Lond., xviii. p. 446, pl. 31, f. 5 (1841).
——————— Westw.: Arcana Ent., p. 19 (1843).
——————— Walker: ii. 419 (1854).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 77. 454 (1887).

a. Assam (type). b. India (2). c. Burma (2). d. Silhet (2).

GENUS **ETERUSIA.** Hope: Trans. Linn. Soc., Lond., xviii. p. 445 (1841).

355. Eterusia tricolor.

Eterusia tricolor. Hope: Trans. Linn. Soc., Lond., xviii. p. 445, pl. 31, f. 4 (1841).
——————— Duncan: Nat. Libr. Exot. Moths, p. 39, pl. 3, f. 1 (1841).
——————— Double: Zoologist, ii. p. 470 (1843).
——————— Westw.: Arcana Ent., p. 18 (1843).
——————— Walker: ii. 428 (1854).
——————— Moore: P. Z. S., Lond., 1867, p. 678.
Heterusia tricolor. Cotes and Swinh.: Cat. Moths of India, ii. 68. 386 (1887).

a. Assam (type). b. Silhet.

356. Eterusia obliquaria.

Papilio obliquaria. Fabr.: Mant. Ins., ii. 194 (1787).
Eusemia subdives. Walker: Journ. Linn. Soc., Lond., iii. p. 196 (1859).
———— ———— xxxi. 50 (1864).
Eterusia transversa. Walker: xxxi. 118 (1864).
Erasmia laja. Pagenstecher: in Jahrb. des Nass. ver. Naturk., p. –11–, pl. 1, f. 5 (1885).

Type. In Banksian Cab., B. M.

a. Malacca (type *subdives*) (Wallace). b. Sumatra (type ♂ *transversa*) (Wallace). c. Sumatra (type ♀ *transversa*) (Wallace). d. Sumatra.

357. Eterusia ædea.

Papilio ædea. Clerck: Icones, pl. 4, f. 2 (1759).
———— Linn.: Syst. Nat., ii. 757 (1767).
———— Fabr.: Sp. Ins., ii. 32. 132 (1781).
———— Mant. Ins., ii. 16. 133 (1787).
———— Ent. Syst. iii. 173. 537 (1793).
Acræa ædea. God.: Enc. Meth., ix. 236. 19 (1809).
Heterusia ædea. Double: Zoologist, ii. 469 (1843).
———— Cotes and Swinh.: Cat. Moths of India, ii. 65. 367 (1889).
Eterusia ædea. Walker: ii. 428 (1854).

a. China (2).

358. Eterusia magnifica.

Eterusia magnifica. Butler: Trans. Ent. Soc., Lond., 1879, p. 5.
Heterusia magnifica. Butler: Ill. Typ. Lep. Het., B. M., v. p. 20, pl. 83, f. 2 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 67. 378 (1887).

Type. Cachar, in B. M.

a. India (4). b. Silhet (2).

359. Eterusia lativitta.

Eterusia lativitta. Moore: Descr. Ind. Lep. Atk., i. p. 15 (1879).
Heterusia lativitta. Cotes and Swinh.: Cat. Moths of India, ii. 67. 377 (1887).
Heterusia fasciata. Mosch. (nec. Walker): Stett. Ent. Zeit., p. 341 (1872).

Type. Darjiling, in coll. Moore.

a. Silhet. b. India.

360. Eterusia cingala.

Eterusia cingala. Moore: Ann. Mag. N. H. (4), xx. p. 343 (1877).
Sephisa cingala. Moore: Lep. Ceylon, ii. p. 41, pl. 96, f. 1 (1882).
Devanica cingala. Cotes and Swinh.: Cat. Moths of India, ii. 68. 391 (1887).

Type. Ceylon, in coll. Moore.

a. Ceylon (4) (Thwaites).

361. Eterusia virescens.

Heterusia virescens. Butler: Ill. Typ. Lep. Het., B. M., v. p. 21, pl. 83, f. 3 (1881).

Heterusia virescens. Cotes and Swinh.: Cat. Moths of India, ii. 68. 389 (1887).

Type. India, in B. M.

a. Bombay (2).

362. Eterusia edocla.

Heterusia edocla. Double: Zoologist, ii. p. 469 (1859).
Eterusia edocla. Walker: ii. 428 (1854).
Heterusia dulcis. Butler: Ill. Typ. Lep. Het., B. M., v. p. 21, pl. 83, f. 4 (1881).
Heterusia dulcis et edocla. Cotes and Swinh.: Cat. Moths of India, ii. 66. 373, 374 (1887).
Heterusia signata. Mosch.: Stett. Ent. Zeit., xxxiii. p. 341 (1872).

Type (*dulcis*). Darjiling, in B. M.

a. Sylhet. b. India (3).

363. Eterusia submarginalis.

♀ Antennæ with the shaft glistening steel blue, pectinations black, head steel blue, brown in front, thorax greenish black, abdomen dark greenish banded with blue. Fore-wings dark olive green, crossed beyond the middle by an outwardly oblique pale ochreous band with both borders maculated with black, and a few additional black spots on the outer side of the outer border, the veins crossing the band and spots pale blue. Hind-wings black, with a broad, angulated, and outwardly curved submarginal deep ochreous band, base and apex of wing thickly irrorated with glistening blue scales. Underside paler than upperside, band on both wings uniformly dark ochreous, base of the veins and base of the median branches, also a fascia on apical border of both wings glistening blue; thorax steel blue, abdomen brown with slender blue segmental bands, legs black, tibiæ beneath blue.

Expanse of wings 2½ inches.

a. Cambodia, Siam (type) (Mouhot).

364. Eterusia drataraga.

Eterusia drataraja. Moore: Cat. Lep. E. I. C., ii. p. 321 (1859).
———— Walker: xxxi. 118 (1864).

Type. Java, in B. M.

a. Java. b. Cambodia, Siam (Mouhot).

Sub-Family EPICOPEINÆ.

Genus **EPICOPEIA**. Westw.: Arcana Ent., p. 17 (1843).

365. Epicopeia polydora.

Epicopeia polydora. Westw.: Arcana Ent., p. 19, pl. 5, f. 1 (1843).
———— Walker: ii. 410 (1854).
———— Cotes and Swinh.: Cat. Moths of India, ii. 64. 358 (1887).

Type. Assam, in Mus. D. Solly.

a. India (3).

366. Epicopeia maculata.

Epicopeia maculata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 47, pl. 88, f. 7 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 64. 355 (1887).

Type. Bhotan, in B. M.
a. India.

367. Epicopeia philenora.

Epicopeia philenora. Westw.: Arcana Ent., p. 19, pl. 5, f. 2 (1843).
——————— Walker: ii. 410 (1854).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 64. 356 (1887).

Type. Assam, in Mus. D. Solly.
a. Darjiling (3) (Higgins). b. India.

368. Epicopeia lidderdalii.

Epicopeia lidderdalii. Butler: Ill. Typ. Lep. Het., B. M., v. p. 47, pl. 88, f. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 64. 354 (1887).

Type. Bhotan, in B. M.
a. India (2). b. Darjiling (Higgins).

369. Epicopeia varunæa.

Epicopeia varunæa. Moore: P. Z. S., Lond., 1865, p. 799.
——————— Walker: xxxv. 1869 (1866).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 64. 359 (1887).

Type. Darjiling, in coll. Moore.
a. Darjiling (2). b. India (2).

370. Epicopeia simulans.

Epicopeia simulans. Leech: P. Z. S., Lond., 1888, p. 611, pl. 31, f. 1.
Epicopeia hainesii. Holland: Trans. Am. Ent. Soc., 1889, p. 72.

Type. Hakodate, Japan, in B. M.
a. Japan.

Family **LITHOSIIDÆ.**

Sub-Family HYPSINÆ.

Genus **PERIDROME.** Walker: ii. 444 (1854).

371. Peridrome orbicularis.

Hypsa (Peridrome) orbicularis. Walker: ii. 445 (1854).
Peridrome orbicularis. Moore: P. Z. S., Lond., 1867, p. 677.
——————— P. Z. S., Lond., 1877, p. 598.
——————— P. Z. S., Lond., 1878, p. 847.

Peridrome orbicularis. Cotes and Swinh.: Cat. Moths of India, ii. 87. 512 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 179.
Aganais orbicularis. Butler: Trans. Ent. Soc., Lond., 1875, p. 327.
Hypsa orbicularis. Snellen: Tijd. voor Ent., 1888, p. 123.
Aganopis subquadrata. Herr. Schäff.: Lep. Sp. Nov., p. 7, f. 501 (1856).

Type. Maulmein, in B. M.
a. Burma. b. India (4) (Ashmol. Mus.). c. Sylhet (4).
d. Cambodia Siam (3) (Mouhot). e. Singapore (Horsley).

Genus **ANAGNIA.** Walker: ii. 446 (1854).

372. Anagnia subfascia.

Hypsa (Anagnia) subfascia. Walker: ii. 446 (1854).
Anagnia subfascia. Moore: P. Z. S., Lond., 1878, p. 847.
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 327.
———— Cotes and Swinh.: Cat. Moths of India, ii. 91. 539 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 179.
Hypsa subfascia. Snellen: Tijd. voor Ent., 1888, p. 123, pl. 1, f. 1.
Peridrome subfasciata (sic). Moore: Journ. As. Soc., Beng., vol. 55, pt. 2, p. 98 (1886).

Type. Maulmein, in B. M.
a. Burma. b. Sylhet (2). c. India (2) (Ashmol. Mus.).

Genus **EUPLOCIA.** Hübner: Verz. Schm., p. 172 (1816).

373. Euplocia membliaria.

Phalæna membliaria. Cramer: Pap. Exot., iii., pl. 269, f. C, D (1780).
Euplocia membliaria. Hübner: Verz. Schm., p. 172 (1816).
———— Moore: P. Z. S., Lond., 1867, p. 677.
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 327.
———— Moore: P. Z. S., Lond., 1877, p. 598.
———— Cotes and Swinh.: Cat. Moths of India, ii. 87. 513 (1887).
———— Snellen: Tijd. voor Ent., 1888, p. 118.
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 179.
Hypsa membliaria. Walker: ii. 448 (1854).
Aganais membliaria. Snellen: Tijd. voor Ent., 1879, p. 77.

a. Cambodia, Siam (Mouhot). b. Pach, Siam (Mouhot).
c. Philippines.

374. Euplocia inconspicua.

Euplocia inconspicua. Butler: Trans. Ent. Soc., Lond., 1875, p. 328.
———— Snellen: Tijd. voor Ent., 1888, p. 118.

Type. Makessar, in B. M.
a. Flores (Wallace). b. Makessar Celebes (2) (Wallace).

GENUS **NEOCHERA**. Hübner: Verz. Schm., p. 173 (1816).

375. Neochera eugenia.

Phalæna eugenia. Cramer: Pap. Exot., iv. 235, pl. 398, f. M (1782).
Neochera eugenia. Hübner: Verz. Schm., p. 173 (1816).
———— Walker: ii. 449 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 328.
———— P. Z. S., Lond., 1877, p. 150.
———— P. Z. S., Lond., 1879, p. 162.
———— Snellen: Tijd. voor Ent., 1888, p. 120.
Aganais eugenia. Snellen: Tijd. voor Ent., 1879, p. 78.

a. Ternate (Wallace). b. Dorey (Wallace). c. Aru (2) (Wallace). d. Mysol (Wallace). e. Sumatra (Wallace). f. New Guinea (Wallace).

376. Neochera marmorea.

Hypsa (*Euplocea*) *marmorea.* Walker: vii. 1674 (1856).
Neochera marmorea. Butler: Trans. Ent. Soc., Lond., 1875, p. 329.
———— Ill. Typ. Lep. Het., B. M., v. p. 43 (♂ only), pl. 87, f. 10 ♂ (1881).
———— Cotes and Swinh. (part): Cat. Moths of India, ii. 87. 515 (1887).
———— Snellen: Tijd. voor Ent., 1888, p. 121.

Type. Sylhet, in B. M.
a. Sylhet.

377. Neochera butleri. n. sp.

Hypsa (*Neochera*) *dominia.* Walker: ii. 448 (1854).
Neochera marmorea. Moore (nec. Walker): P. Z. S., Lond., 1867, p. 677.
———— P. Z. S., Lond., 1878, p. 847.
———— Butler: (♀ only), Ill. Typ. Lep. Het., B. M., v. p. 43, pl. 87. f. 11 ♀ (1881).
———— Cotes and Swinh. (part): Cat. Moths of India, ii. 87. 515 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.

a. Assam (♂ ♀ types) (Jenkins). b. Sylhet (2). c. India (2). d. Cambodia Siam (2) (Mouhot).

Walker's type of *marmorea* from Sylhet is perfectly distinct from the common pale insect with white hind-wings, which has heretofore been wrongly identified as *N. marmorea*. Walker's type is recorded by him as being a female from Sylhet, but is a male, and is well described and figured by Butler in Ill. Typ., v. p. 43, pl. 87, f. 10. There are both sexes in the B. M. collection, and there is a female in this collection identical with the type also from Sylhet, and with a label '*marmorea*' on it in Walker's own handwriting. Of the common and perfectly distinct form which I have named after Mr. Butler there are excellent series of both sexes in both the British and Oxford Museums. Walker's description of *marmorea*, though incomplete, is quite sufficient to identify the type by, 'the head black with white bands is in itself quite sufficient; I have examined the type and the

Register which shows that the insect is from Sylhet from coll. Stainforth.'

378. Neochera stibostethia.

Neochera stibostethia. Butler: Trans. Ent. Soc., Lond., 1877, p. 329.
——————— Snellen: Tijd. voor Ent., 1888, p. 121.

Type. Bourou, in B. M.
a. Bourou.

379. Neochera basilissa.

Hypsa basilissa. Meyrick: Proc. Linn. Soc., N. S. W., (2), i. p. 767 (1886).

Type. Cooktown, Australia, in coll. Macleay, Australia.
a. New Guinea (Wallace). b. Timor. c. Milete Island.
d. Morty. e. Batchian.

380. Neochera zaria. n. sp.

♂ Antennæ and palpi black, palpi with two white bands, frons white, top of head, collar, thorax, and abdomen bright chrome yellow, abdomen paler than the thorax, thorax with a black spot on each side and one in the centre behind the middle, and with a whitish band behind; abdomen with a central row of five small black spots; fore-wings dark slate colour with white veins, the white expanding slightly on the slate-coloured cilia.

Hind-wings with a white ground colour, a large square spot outside upper end of cell, a broad black marginal band, dentated on both sides, very much so inwardly, and extended in a suffused and paler colour in the interspaces on the lower half of the wing and broadly on the costal margin, leaving only a small upper portion and some streaks hindwards of pure white, cilia also white.

Underside, wings blackish brown with a blue sheen, both wings with white veins; fore-wings with a white sub-apical band and a white longitudinal belt below the cell; hind-wings with the interspaces in the inner portions mostly white; body white, slightly luteous, with black spots on each side of abdomen and rows of black spots all over the thorax; legs black streaked with white.

Expanse of wings 4 inches.

a. Manilla (typè).

Allied to *N. basilissa* (Meyrick), the white on veins of fore-wing are thinner, the abdomen has only a central row of small spots instead of being banded as in that species, also differs in the white cilia and black suffusion on lower half of hind-wings.

381. Neochera bhawana.

Neochera bhawana. Moore: Cat. Lep. E. I. C., ii. p. 295, pl. 7 *a*, f. 4 ♂ (1859).
——————— Walker: xxx. 217 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1875, p. 328.
——————— Snellen: Tijd. voor Ent., 1888, p. 121.

Neochera bhawana. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.

Type. Java, in B. M.

a. Borneo. b. Singapore (Wallace).

I recorded this insect in Trans. Ent. Soc., 1890, p. 180, as male of *N. marmorea* by mistake; it is quite distinct: there are both sexes of it in the Oxford Museum, and in my own collection. It appears to be very widely distributed amongst the Islands of the Malay Archipelago and extends into Burma. I have a specimen from Rangoon.

GENUS **HYPSA**. Hübner: Verz. Schm., p. 172 (1816).

382. Hypsa dama.

Noctua dama. Fabr.: Sp. Ins., ii. 216. 39 (1781).
———— Mant: Ins. ii. 141. 51 (1787).
———— Ent. Syst., iii. 22. 69 (1793).
———— Don.: Epit. Ins. New Holl. (1805).
Phalæna (Noctua) dama. Gmel.: ed. Syst. Nat., i. 5. 2545. 1049.
Aganais dama. Boisd.: Voy. de l'Astrolabe, pt. 1. Lep., p. 250 (1832).
Hypsa dama. Walker: ii. 449 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 315.
———— Snellen: Tijd. voor Ent., 1884, p. 82.
———— Tijd. voor Ent., 1888, p. 139.
———— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 768.

Type. In Banksian Cab., B. M.

a. New South Wales. b. Milete Island (Wallace). c. Mysol (Wallace). d. New Guinea (2) (Wallace). e. Aru (2) (Wallace).

383. Hypsa monycha.

Phalæna monycha. Cramer: Pap. Exot., ii. pl. 131, f. C (1777).
Hypsa monycha. Walker: ii. 451 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 316.
———— Cotes and Swinh.: Cat. Moths of India, ii. 88. 521 (1887).
———— Snellen: Tijd. voor Ent., 1888, p. 137.
Aganais monycha. Snellen: Tijd. voor Ent., 1879, p. 79.

a. Sylhet (2). b. India.

384. Hypsa clavata.

Hypsa clavata. Butler: Trans. Ent. Soc., Lond., 1875, p. 317.
———— Moore: Journ. As. Soc., Beng. (53) 2, iii. p. 235 (1884).
———— Cotes and Swinh.: Cat. Moths of India, ii. 88. 518 (1887).

Type. Hong Kong, in B. M.

a. Sylhet.

385. Hypsa dicta.

Hypsa dicta. Butler: Trans. Ent. Soc., Lond., 1875, p. 316.
———— Snellen: Tijd. voor Ent., 1888, p. 143.

Type. Borneo, in B. M.

a. Sarawak, Borneo (2) (Wallace). b. Borneo. c. Philippines. d. Sumatra (Wallace). e. Ceram (Madam Pfeiffer).

386. Hypsa lanceolata.

Hypsa lanceolata. Walker: vii. 1676 (1855).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 316.
Aganais lanceolata. Snellen: Tijd. voor Ent., 1888, p. 141, pl. 2, f. 5.

a. Celebes or Mindanao (type). b. Celebes (Wallace). c. Ceram (Wallace). d. Tondano (Wallace). e. Sula (Wallace).

387. Hypsa nicobarica. n. sp.

♂ ♀ Palpi ochreous outwards, mouse colour above, as also in the last joint and the antennæ: head and body ochreous, thorax without spots, abdomen with a central row of brown spots. Fore-wings mouse colour, base ochreous, enclosing a black spot, and bordered with black on the costa and outer side where the black border is angulated and has itself a whitish outer border, a large somewhat oval white spot at lower end of cell with a whitish line on the median vein connecting the spot with the yellow base, no white vein markings. Hind-wings white, with a broad outer marginal mouse-coloured border somewhat reduced hindwards, broader in the male than in the female. Underside, wings as above, two faint grey suffused spots in the disc; body ochreous, legs mouse colour.

Expanse of wings $2\frac{2}{10}$–$2\frac{4}{10}$ inches.

Type. ♂ Great Nicobars, ♀ Nancowry, in B. M.

a. Great Nicobars (Swinhoe).

Allied to *H. dicta* (Butler) and *intacta* (Walker), is a good local species.

388. Hypsa malisa. n. sp.

♂ ♀ Palpi mouse colour above, chrome yellow beneath, last joint and antennæ mouse colour; thorax chrome yellow, abdomen ochreous with broad black segmental bands, a thin black band on the collar and a black spot on each side of the front of the thorax. Fore-wings mouse colour, a white stripe from base along median vein, widening at the end of the cell into a largish patch, a prominent white stripe on sub-median vein, stopping short of outer margin; some ochreous colour at the extreme base, enclosing two black spots.

Hind-wings white, with broad marginal mouse-coloured band with even inner margin and very slightly narrowing towards hinder margin.

Underside, wings as above; fore-wings with suffused whitish space on lower portion; hind-wings with a mouse-coloured spot attached to the centre of the broad costal band, body ochreous, thorax suffused with mouse colour at the sides, abdomen banded with black; legs, mouse colour striped with ochreous grey.

Expanse of wings ♂ $2\frac{2}{10}$, ♀ $2\frac{4}{10}$ inches.

a. North Halmaheira (♂ ♀ types) (Bernstein). b. Ternate (Wallace).

There are examples of this species unnamed in the B. M.; it is allied to *H. dama* (Fabr.), but can easily be distinguished by the

want of the mouse-coloured band on the abdominal margin of the hind-wings above.

389. Hypsa perimele.

Hypsa perimele. Weymer: Stett. Ent. Zeit., 1885, p. 275, pl. 11, f. 3.

a. Nias.

This species Herr Snellen puts as a synonym of *H. dama* (Fabr.), (Tijd. voor Ent., 1888, p. 139); it is in my opinion more nearly allied to *H. intacta* (Walker), and only differs from that species in the broader border to the hind-wings. *H. dama* has a broad longitudinal streak on the fore-wings, which in this species is altogether absent. I have examined the type of *H. dama* (Fabr.); it is in the Banksian Cabinet in the B. M.

390. Hypsa intacta.

Hypsa intacta. Walker: ii. 451 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 315.
———— Snellen: Tijd. voor Ent., 1888, pl. 2, f. 3, 4.

Type. Java, in B. M.

a. Java (Horsfield). b. Java (4). c. Timor (Wallace). d. Flores (Wallace).

391. Hypsa paphos.

Noctua paphos. Fabr.: Ent. Syst., iii. (2), p. 18 (1794).
———— Cotes and Swinh.: Cat. Moths of India, ii. 88. 522 (1887).
Hypsa heliconia, var. *a.* Walker: ii. 452 (1854).
———— Cotes and Swinh.: Cat. Moths of India, ii. 88. 519 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.

Type, in Banksian Cabinet, in B. M.

a. Sylhet (3). b. India (2) (Ashmol. Mus.). c. Cambodia, Siam (Mouhot). d. Singapore (Horsley). e. Borneo.

392. Hypsa heliconia.

Phalæna (Noctua) heliconia. Lymn.: Syst. Nat., x. p. 511 (1758).
———— Mus. Lud. Ulr., p. 385 (1764).
———— Gmel.: ed. Syst. Nat., i. 5. 2553. 112.
Hypsa heliconia. Hübner: Verz. Schm., p. 172 (1816).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 317.
———— Aurivillius (nec. Walker): Kon. Sv. Akad. Handl., Band 15, No. 5, p. 159, pl. 1, f. 6 (1882).
———— Snellen: Tijd. voor Ent., 1888, p. 144.

a. Ceram (Wallace). b. Milete Island (2).

393. Hypsa heliconioides.

Neochera heliconioides. Moore: P. Z. S., Lond., 1878, p. 6.

Type. Luzon, Philippine Islands, in coll. Stoudinger.

a. Philippines.

394. Hypsa albivena.

Hypsa albivena. Walker: xxxi. 213 (1864).

Neochera albivena. Butler: Trans. Ent. Soc., Lond., 1875, p. 328.
Aganais vitessoides. Snellen: Tijd. voor Ent., 1879, p. 78, pl. 7, f. 1.
———————— Tijd. voor Ent., 1888, p. 140.

Type (*vitessoides*), from Maros Celebes, in coll. Snellen.

a. Tondano (type) (Wallace).

Walker's type is identical with Snellen's figure.

395. Hypsa ghara. n. sp. Pl. III. f. 1.

♂ Palpi black above, ochreous beneath, last joint mouse colour, as also the antennæ; head and body bright dark ochreous; two black spots on the collar and two on the thorax in front, abdomen with black bands. Fore-wings of a uniform dark mouse colour, with pale luteous veins, a very small space at the base ochreous, with a spot on each side at the base of the costa and some blackish spots outside the ochreous space. Hind-wings white, with a thin blackish costal band, a very broad marginal band which narrows slightly hindwards, its inner border is slightly undulating and it runs broadly up the abdominal margin.

Underside, fore-wings of a uniform dark brown colour without markings, slightly paler towards the hinder margin. Hind-wings white, with a very broad and nearly uniform dark brown band on all the margins, narrowest on the abdominal margin and with two brown spots attached to the middle of the costal margin; face and body bright dark ochreous, abdomen with black spots on each side, legs whitish below, brown above, tarsi whitish.

Expanse of wings $2\frac{4}{10}$ inches.

a. Ké Island (type) (Wallace).

Allied to *H. albivena* (Walker), differs above in its narrower vein markings on fore-wings and in the absence of the discal spot in the hind-wings, and in its brown abdominal margin; and below in the absence of the white centre patches in fore-wings, and in its abdominal marginal band of hind-wings.

396. Hypsa isthmia. Pl. III. f. 2.

Hypsa isthmia. Walker: vii. 1674 (1856).
Neochera (?) *isthmia.* Butler: Trans. Ent. Soc., Lond., 1875, p. 329.

a. Manilla (type). b. Philippines.

The type is a male, not a female as stated by Walker.

397. Hypsa plana.

Hypsa plana. Walker: ii. 450 (1854).
———————— Moore: Cat. Lep. E. I. C., ii. p. 294, pl. 13, f. 9 (larva) (1859).
———————— Butler: Trans. Ent. Soc., Lond., 1875, p. 319.
———————— Semper: Verh. Zool. bot. Ges. zu Wien, 1877, p. 699.
Hypsa complana. Walker (♂ only): xxxi. 213 (1864).
Aganais albifera. Felden: Reise Nov. Lep., pl. 106, f. 3 (1868).
———————— Snellen: Tijd. voor Ent., 1879, p. 79.

Hypsa albifera. Snellen: Tijd. voor Ent., 1888, p. 144.

Type. Java, in B. M.

a. Timor (type *complana* ♂) (Wallace).

398. Hypsa complana.

Hypsa complana (♀ only). Walker: xxxi. 213 (1864).

a. Bourou (♀ type) (Wallace).

399. Hypsa clara.

Hypsa clara. Butler: Trans. Ent. Soc., Lond., 1875, p. 318.
——— Snellen: Tijd. voor Ent., 1888, p. 145.

Type. Java, in B. M.

a. Java (Horsfield).

400. Hypsa albiformis. n. sp.

♂ Palpi ochreous, base, tips of second joint and whole of last joint mouse colour, as also the antennæ, head and body ochreous, thorax with some black spots, abdomen with a central row of black spots, wings mostly pure white. Fore-wings with less than the apical third mouse colour, with its inner edge upright, costal and hinder marginal bands of same colour, a notch at the apex of the enclosed white space, base ochreous with some black spots.

Hind-wings with a thin mouse-coloured marginal border, attenuated hindwards. Underside, wings as above, fore-wings with a black spot in upper centre of cell, costal band very thin, and some subcostal suffused streaks. Hind-wings with a costal band in continuation of the marginal band; body ochreous, abdomen with black spots on the sides, legs yellowish grey.

Expanse of wings $2\frac{4}{10}$–$2\frac{6}{10}$ inches.

a. Borneo (type). b. Borneo. c. Philippines.

Allied to the two preceding species, is the whitest of all, the inner white space of fore-wings has straight borders on all three sides, instead of being rounded and notched as in the other species.

401. Hypsa tortuosa.

Neochera tortuosa. Moore: P. Z. S., Lond., 1872, p. 570, pl. 33, f. 2.
——— Cotes and Swinh.: Cat. Moths of India, ii. 87. 516 (1887).
——— Snellen: Tijd. voor Ent., 1888, p. 121.
Hypsa (?) *tortuosa.* Butler: Trans. Ent. Soc., Lond., 1875, p. 319.

a. India (type).

402. Hypsa persecta.

Hypsa persecta. Butler: Trans. Ent. Soc., Lond., 1875, p. 317.
——— Moore: Lep. Ceylon, ii. p. 51, pl. 100, f. 1, 1 *a* (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 88. 523 (1887).
——— Snellen: Tijd. voor Ent., 1888, p. 146.
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.

Hypsa lacteata. Butler: Ill. Typ. Lep. Het., P. M. V., p. 43, pl. 87, f. 9 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 88. 520 (1887).

Type. Ceylon, in B. M.
Type (*lacteata*). Darjiling, in B. M.
a. India. b. Ceylon.

403. Hypsa versicolor.

Noctua versicolor. Fabr.: Ent. Syst., iii. 2. 49. 134 (1793).
———— Don.: Epit. Ins. New Holland (1805).
Aganais versicolor. Boisd.: Voy. de l'Astrolabe, i. Lep. 252. 6 (1832).
Hypsa versicolor. Walker: ii. 459 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 323.
———— Snellen: Tijd. voor Ent., 1888, p. 127.
Aganais eusemioides. Felder: Reise Nov. Lep., pl. 106, f. 1 (1868).
Hypsa eusemioides. Butler: P. Z. S., Lond., 1879, p. 161.

a. New Guinea (3) (Wallace). b. Dorey (Wallace).

404. Hypsa subsimilis.

Hypsa subsimilis. Walker: xxxi. 212 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 317.
———— Moore: P. Z. S., Lond., 1878, p. 847.
———— Cotes and Swinh.: Cat. Moths of India, ii. 89. 526 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.

a. Singapore (type) (Wallace). b. Singapore. c. Singapore (Horsley).

405. Hypsa australis.

Aganais australis. Boisd.: Voy. de l'Astrolabe, i. Lep. 252. 5, pl. 5, f. 3 (1832).
Hypsa australis. Walker: ii. 459 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 322.
———— Meyrick: Trans. Linn. Soc., N. S. W., 1886, p. 770.
———— Snellen: Tijd. voor Ent., 1888, p. 128.

a. New Guinea (2) (Wallace). b. Amboina (Wallace). c. Aru (2) (Wallace). d. Mysol.

406. Hypsa æqualis.

Hypsa æqualis. Walker: xxxi. 214 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 322.

a. Aru (type) (Wallace).

407. Hypsa orbonis.

Hypsa orbonis. Snellen von Voll.: Tijd. voor Ent., 1863, p. 137, pl. 9, f. 4.
———— Snellen: Tijd. voor Ent., 1888, p. 133.
Hypsa significans. Walker: xxxi. 215 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 322.

a. Aru (type *significans*) (Wallace). b. New Guinea (Wallace). c. Dorey (Wallace). d. Morty (type β) (Wallace). e. Halmaheira (2)

(Bernstein). f. Batchian (type γ) (Wallace). g. Mysol (type δ) (Wallace).

Apparently all one variable species. The example from Mysol has a thin marginal brown band to the hind-wings, and those from Morty and Batchian have no brown streaks in the interspaces on the fore-wings.

Mr. Butler is in error in saying (Trans. Ent. Soc., Lond., 1875, p. 322) that the type is in the B. M.; the Aru type and all the types of the varieties are in the Oxford University Museum.

408. Hypsa ochrealis. n. sp.

♀ Bright ochreous, palpi with a black spot at the base on each side, and another at tip of second joint, last joint and antennæ black, thorax with a black spot on each side in front, abdomen with a dorsal row of black spots. Fore-wings with six black spots near the base on each side, three sub-costal and the other three in a curve below. Hind-wings slightly paler towards the costa, otherwise all the wings and body are of one bright uniform dark ochreous colour.

Underside, slightly paler but perfectly uniform in colour; fore-wings with a black sub-costal spot beyond the middle, abdomen with small lateral black spots; legs grey.

Expanse of wings $2\frac{7}{10}$ inches.

a. Goram Ceram (type) (Wallace).

Belongs to the *insularis* group. *H. insularis* (Boisd.) from Bourbon, has narrower wings than in that species, and differs in the black spots above and below.

409. Hypsa avacta. n. sp.

♀ Bright ochreous, palpi black above, ochreous beneath, last joint and the antennæ black, thorax with a black spot on each side in front. Fore-wings with five large black spots near the base, two on the costa and three in a curve below. Hind-wings with the costal portion slightly paler, otherwise both wings and body are of a uniform bright ochreous colour; all but the first segment of the abdomen of this otherwise perfect specimen is missing, and therefore it is impossible to say whether the abdomen is banded or not; the split frenulum however proves its sex.

Underside, as above, hardly paler, colour perfectly uniform; both wings with a large black patch on centre of costa, and fore-wings with pale black suffused streaks along the costal space, legs brown above, whitish beneath.

Expanse of wings $2\frac{8}{10}$ inches.

a. Batchian (type) (Wallace).

Allied to the preceding species, is paler and of a different shade of colour, differs in the colour of the palpi, the black spots at base of fore-wings, and the large black patches on the wings beneath.

GENUS **AGAPE**. Felder: Reise Nov. Lep., pl. 106, f. 4 (1868).

410. Agape chloropyga.

Hypsa chloropyga. Walker: ii. 455 (1854).
———— Meyrick: Journ. Linn. Soc., N. S. W., 1886, p. 771.
Agape chloropyga. Butler: Trans. Ent. Soc., Lond., 1875, p. 324.
Hypsa analis. Walker: vii. 1677 (1856).
Agape cyanopyga. Felder: Reise Nov. Lep., pl. 106, f. 4 (1868).
———— Snellen: Tijd. voor Ent., 1888, p. 117.

Type. Australia, in B. M.
Type (*analis*). Ceram, in B. M.
a. Borneo.

411. Agape leonina.

Agape leonina. Butler: P. Z. S., Lond., 1879, p. 161.

Type. New Ireland, in B. M.
a. New Caledonia.

412. Agape javana.

Phalæna javana. Cramer: Pap. Exot., iii. 146, pl. 274, f. C (1782).
Hypsa javana. Walker: ii. 454 (1854).
Agape javana. Butler: Trans. Ent. Soc., Lond., 1875, p. 324.
———— Snellen: Tijd. voor Ent., 1888, p. 128.
Aganais celebensis. Hoppfer: Stett. Ent. Zeit., 1874, p. 43.
———— Snellen: Tijd. voor Ent., 1879, p. 79.
———— Tijd. voor Ent., 1888, p. 178, pl. 1, f. 3, 3 *a*.

a. Menado, Celebes (Wallace). b. Sarawak, Borneo (Wallace).

GENUS **DAMALIS**. Hübner: Verz. Schm., 170. 1780 (1816).

413. Damalis egens.

Hypsa (Damalis) egens. Walker: ii. 453 (1854).
Hypsa egens. Butler: Trans. Ent. Soc., Lond., 1875, p. 323.
———— Snellen: Tijd. voor Ent., 1888, p. 132.
Aganais egens. Snellen: Tijd. voor Ent., 1879, p. 80, pl. 7, f. 4.
Damalis egens. Butler: P. Z. S., Lond., 1880, p. 672.
———— ———— Ill. Typ. Lep. Het., B. M., v. p. 43, pl. 87, f. 8 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 90. 531 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 181.
Hypsa nebulosa. Butler: Trans. Ent. Soc., Lond., 1875, p. 322.
———— Snellen: Tijd. voor Ent., 1888, p. 133.
Damalis onusta. Weym.: Stett. Ent. Zeit., 1885, p. 276, pl. 2, f. 6 ♀ 7 ♂.

Type. North India, in B. M.
Type, *nebulosa*. Sarawak, Borneo, in B. M.
a. Sylhet. b. Cambodia, Siam (Mouhot). c. Amoy, China. d. Singapore (2) (Horsley). e. Makessar, Celebes (Wallace). f. Borneo (2). g. Sarawak, Borneo (Wallace). h. Philippines.

414. Damalis producta.

Hypsa producta. Butler: Trans. Ent. Soc., Lond., 1875, p. 320.
———— Snellen: Tijd. voor Ent., 1888, p. 131.
Damalis producta. Moore: Lep. Ceylon, ii. p. 52, pl. 101, f. 1, 1 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 90. 535 (1887).

Type. Ceylon, in B. M.
a. Ceylon (2).

415. Damalis plaginota.

Hypsa (Damalis) plaginota. Butler: Trans. Ent. Soc., Lond., 1875, p. 320.
Damalis plaginota. Moore: P. Z. S., Lond., 1878, p. 847.
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 42, pl. 87, f. 7 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 90. 534 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 181.
Hypsa plaginota. Snellen: Tijd. voor Ent., 1888, p. 131.

Type. India, in B. M.
a. India.

416. Damalis strigivenata.

Hypsa (Damalis) strigivenata. Butler: Trans. Ent. Soc., Lond., 1875, p. 321.
Damalis strigivenata. Butler: Ann. Mag. N. H. (5), v. p. 223 (1880).
———— Cotes and Swinh.: Cat. Moths of India, ii. 91. 537 (1887).
Hypsa strigivenata. Moore: Journ. As. Soc. Beng. (55), 2, p. 98 (1886).
———— Snellen: Tijd. voor Ent., 1888, p. 130, pl. 2, f. 1.

Type. Penang, in B. M.
a. Sumatra (Wallace).

417. Damalis alcifron.

Phalæna alcifron. Cramer: Pap. Exot., ii. pl. 133, f. E (1777).
Hypsa alcifron. Moore: Cat. Lep. E. I. C., ii. p. 292, pl. 13, f. 6, 6 *a* (larva) (1859).
———— Snellen: Tijd. voor Ent., 1888, p. 130.
Hypsa (Damalis) alcifron. Butler: Trans. Ent. Soc., Lond., 1875, p. 319.
Damalis alcifron. Moore: P. Z. S., Lond., 1877, p. 598.
———— P. Z. S., Lond., 1878, p. 847.
———— Lep. Ceylon, ii. p. 52, pl. 102, f. 1, 1 *a*, 1 *b* (1882).
———— Butler: P. Z. S., Lond., 1879, p. 161.
———— Swinhoe: P. Z. S., Lond., 1885, p. 292.
———— Cotes and Swinh.: Cat. Moths of India, ii. 89. 528 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 180.
Noctua caricæ. Fabr.: Ent. Syst., iii. 2, 27. 63 (1794).
———— Don.: Epist. Ins. New Holland, pl. 39, f. 2 (1805).
Hipocrita (vulgaris) caricæ. Hübner: Samml. Exot. Schmet., i. pl. 191, f. 1–4 (1806).

Damalis caricæ. Hübner: Verz. Schm., p. 172 (1816).
Hypsa (Damalis) caricæ. Walker: ii. 454 (1854).
———— vii. 1675 (1856).
Hypsa caricæ. Snellen: Tijd. voor Ent., 1877, p. 6.
———— Meyrick: Journ. Linn. Soc., N. S. W., 1886, p. 769.
Aganais caricæ. Snellen: Tijd. voor Ent., 1879, p. 179.

a. India (5). b. Cambodia, Siam (Mouhot). c. Celebes. d. Ceram (2) (Wallace).

418. Damalis alienata.

Agarista alienata. Walker: xxxi. 47 (1864).
Hypsa agarista. Snellen: Tijd. voor Ent., 1888, p. 129, pl. 1, f. 4.

Type. Aneitum, New Hebrides, in B. M.
Type of (*H. agarista*) from Aneitum, in coll. Snellen.

a. Aneitum, New Hebrides (Wallace). b. New Hebrides. c. Sydney.

Genus **LACIDES.** Walker: ii. 456 (1854).

419. Lacides ficus.

Noctua ficus. Fabr.: Ent. Syst., iii. 2. 27. 62 (1794).
Damalis ficus. Hübner: Verz. Schm., p. 172 (1816).
Hypsa ficus. Moore: Cat. Lep. E. I. C., ii. p. 293, pl. 13, f. 8, 8 *a* (larva) (1859).
———— Snellen: Tijd. voor Ent., 1888, p. 125.
Hypsa (Lacides) ficus. Walker: ii. 456 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1875, p. 321.
Lacides ficus. Moore: Lep. Ceylon, ii. p. 53, pl. 100, f. 2 (1882).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 397 (larva).
———— Swinhoe: P. Z. S., Lond., 1885, p. 292.
———— P. Z. S., Lond., 1886, p. 437.
———— Cotes and Swinh.: Cat. Moths of India, ii. 91. 538 (1887).

a. Central India (4) (Hearsay). b. India (3).

Genus **BAPUTA.** Walker: xxxi. 58 (1864).

420. Baputa dimidiata. Pl. III. f. 4.

Baputa dimidiata. Walker: xxxi. 58 (1864).

a. New Guinea (type) (Wallace).

Genus **PETALIA.** Walker: ii. 457 (1854).

421. Petalia plagiata.

Hypsa (Petalia) plagiata. Walker: ii. 457 (1854).
Petalia plagiata. Butler: Trans. Ent. Soc., Lond., 1875, p. 326.

Type. New Holland, in B. M.

a. Moreton Bay (2). b. East Australia. c. Australia.

Genus **PHILONA.** Walker: ii. 456 (1854).

422. Philona inops.

Hypsa (Philona) inops. Walker: ii. 457 (1854).
Philona inops. Moore: P. Z. S., Lond., 1867, p. 677.

Philona inops. Butler: Trans. Ent. Soc., Lond., 1875, p. 325.
——————— Ill. Typ. Lep. Het., B. M., v. p. 42, pl. 87, f. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 91. 541 (1887).
——————— Snellen: Tijd. voor Ent., 1888, p. 120.

Type. Sylhet, in B. M.
a. Philippines.

423. Philona privata.

Hypsa privata. Walker: Journ. Linn. Soc., Lond., vi. p. 100 (1862).
——————— xxxi. 212 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 322.
Hypsa (Philona) cinerascens. Moore: P. Z. S., Lond., 1877, p. 598.
Philona cinerascens. Cotes and Swinh.: Cat. Moths of India, ii. 91. 540 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 181.

Type (*cinerascens*). Port Blair, South Andamans, in B. M.
a. Sarawak, Borneo (type) (Wallace). b. Flores (Wallace). c. Philippines.

Genus **DUGA.** Walker: xxxi. 218 (1864).

424. Duga pinguis.

Duga pinguis. Walker: xxxi. 219 (1864).

a. Amboina (type) (Wallace). b. Batchian (Wallace). c. Ceram (Wallace). d. Gilolo (Wallace).

425. Duga rana. n. sp. Pl. III. f. 3.

♂ Antennæ, palpi, head, and thorax slate colour, abdomen yellow, unmarked; thorax with a darker band across the front and one down each side. Fore-wings slate colour, a reddish ochreous patch on the base, limited by a duplex dark slate-coloured more or less macular transverse band, another similar band in the middle of the wing, a large white sub-costal spot between these two bands, a very large white discal space outside the middle band, a sub-marginal row of large long spots which do not run through the white space but skirt round it, a reddish ochreous suffusion along hinder margin. Hind-wings white, a transverse double band just before the middle, corresponding to the middle band of fore-wings, costal and marginal slate-coloured borders suffused here and there with reddish ochreous, as is the whole of the abdominal border, a sub-marginal row of large dark spots which as in the fore-wings miss the white space.

Underside, both wings blackish brown; fore-wings with the two white spaces as above; hind-wings with blackish brown borders and a blackish brown band before the middle; body yellow, legs brown.

Expanse of wings $2\frac{7}{10}$ inches.

a. Goram Ceram (type) (Wallace).

Allied to *D. pinguis*, but can at once be distinguished by its ochreous basal patch and white hind-wings.

GENUS **CALPENIA**. Moore: P. Z. S., Lond., 1872, p. 571.

426. Calpenia saundersii.

Calpenia saundersii. Moore: P. Z. S., Lond., 1872, p. 572, pl. 33, f. 1.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 92. 543 (1887).

a. India (type).

GENUS **GROTEA**. Moore: P. Z. S., Lond., 1865, p. 797.

427. Grotea argus.

Hypercompa argus. Walker: Trans. Ent. Soc., Lond., (3), i. p. 73 (1862).
——————— xxxi. 285 (1864).
Grotea elegans. Moore: P. Z. S., Lond., 1865, p. 797, pl. 42, f. 1.
——————— Walker: xxxv. 1888 (1866).

Type (*elegans*). Darjiling, in coll. Moore.
a. India (type). b. Assam.

GENUS **DIGAMA**. Moore: Cat. Lep. E. I. C., ii. p. 297 (1859).

428. Digama hearseyana.

Digama hearseyana. Moore: Cat. Lep. E. I. C., ii. p. 298, pl. 7 *a*, f. 3 *a* (1859) (♀ only).
——————— Walker: xxxi. 238 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 363.
——————— Moore: P. Z. S., Lond., 1878, p. 4.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 293.
——————— Cotes and Swinh: Cat. Moths of India, ii. 92. 594 (1887).
Digama similis. Moore: P. Z. S., Lond., 1878, p. 5.

Type. North India, in B. M.
a. India (6). b. Central India (5) (Hearsay).

429. Digama insulana.

Digama insulana. Felder: Verh. Zool. bot. Ges. Wien, xviii. p. 285 (1868).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 363.
——————— Moore: P. Z. S., Lond., 1878, p. 5.
——————— Lep. Ceylon, ii. p. 54, pl. 100, f. 3 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 93. 550 (1887).
Digama hearseyana (♂ only). Moore: Cat. Lep. E. I. C., ii. p. 298, pl. 7 *a*, f. 3 (1859).

a. Ceylon (2) (Thwaites). b. Ceylon (2) (Moseley).

430. Digama marchalii.

Callimorpha (?) *marchalii.* Guér.: Voy. Deless. Hist. Nat., p. 91, pl. 62, f. 2 (1843).
Hypercompa marchalii. Walker: ii. 656 (1854).

Digama marchalii. Butler: Trans. Ent. Soc., Lond., 1877, p. 363.
——— Cotes and Swinh.: Cat. Moths of India, ii. 93. 551 (1887).
Digama nebulosa. Walker: xxxi. 238 (1864).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 362.
——— Cotes and Swinh.: Cat. Moths of India, ii. 93. 552 (1887).

a. Bombay (2). b. Nilgiri Hills.

Sub-Family LITHOSIINÆ.

Genus **SCAPTESYLE.** Walker: ii. 378 (1854).

431. Scaptesyle tricolor.

Scaptesyle tricolor. Walker: ii. 378 (1854).
——— Moore: Trans. Linn. Soc., Lond., 1886, p. 54.
——— Cotes and Swinh.: Cat. Moths of India, ii. 65. 364 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 177.

Type. Sylhet, in B. M.
a. Sylhet (2).

432. Scaptesyle calida.

Scaptesyle calida. Walker: xxxi. 182 (1864).
Hypocrita flavicollis. Snellen: Tijd. voor Ent., 1879, p. 89, pl. 7, f. 12 ♀.

a. Mysol (type) (Wallace). b. New Guinea (Wallace). c. (?) Without locality (Higgins). d. Philippines.

433. Scaptesyle bicolor.

Scaptesyle bicolor. Walker: xxxi. 182 (1864).
——— Moore: Lep. Ceylon, ii. p. 42, pl. 96, f. 2 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 65. 363 (1887).
Dichromia nietneri. Felder: Reise Nov. Lep., iv. pl. 106, f. 25 (1868).

Type. Ceylon, in B. M.
a. Ceylon.

Genus **COUTHA.** Walker: xxxi. 234 (1864).

434. Coutha semiclusa. Pl. III. f. 8.

Coutha semiclusa. Walker: xxxi. 234 (1864).

a. Ceram (type) (Wallace).

Genus **CHAMAITA.** Walker: Journ. Linn. Soc., Lond., vi. p. 121 (1862).

435. Chamaita trichopteroides.

Chamaita trichopteroides. Walker: Journ. Linn. Soc., Lond., vi. p. 121 (1862).

Chamaita trichopteroides. Walker: xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace). b. New Guinea (Wallace).

436. Chamaita crassicornis.

Chamaita crassicornis. Walker: Journ. Linn. Soc., Lond., vi. p. 122 (1862)

——————————— xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace).

Genus **MINNAGARA.** Walker: xxxv. 1902 (1866).

437. Minnagara fasciata. Pl. IV. f. 20.

Minnagara fasciata. Walker: xxxv. 1903 (1866).

a. Sula (type) (Wallace).

Genus **BYRSIA.** Walker: xxxi. 193 (1864).

438. Byrsia dotata. Pl. III. f. 9.

Byrsia dotata. Walker: xxxi. 193 (1864).

——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 333.

a. Batchian (type) (Wallace).

Genus **DARANTASIA.** Walker: Journ. Linn. Soc., Lond., iii. p. 186 (1859).

439. Darantacia cuneiplena. Pl. III. f. 17.

Darantacia cuneiplena. Walker: Journ. Linn. Soc., Lond., iii. p. 186 (1859).

——————————— xxxi. 197 (1864).

a. Singapore (type) (Wallace). b. Without locality. c. Sula (Wallace).

Genus **PERONETIS.** Meyrick: Journ. Linn. Soc., N. S. W. (2), i. p. 242 (1866.)

440. Peronetis naringa. n. sp. Pl. III. f. 16.

♂ Head, collar, some marks on thorax and tip of abdomen ochreous, antennæ, space on head between them, and body black, palpi ochreous with last joint black. Fore-wings ochreous with bands black on all the borders; three transverse bands, 1st close to base, 2nd before the middle, and rather oblique from hinder margin inwards, 3rd submarginal and corresponding to the shape of the margin, a prominent black spot at end of cell which touches the costal band and is connected with the 2nd transverse band by a similar thick band along the median vein. Hind-wings ochreous at the base and along the costal border, black on the outer two thirds. Underside, wings somewhat as above, but the two inner transverse bands in fore-wing are wanting, and the yellow on hind-

wings covers the basal half, thorax ochreous marked with black, abdomen ochreous, legs black, striped with ochreous.

Expanse of wings 1 inch.

a. Philippines (type).

Allied to *P. hieroglyphica* (Butler).

GENUS **ÆMENE.** Walker: ii. 541 (1854).

441. Æmene taprobanis.

Æmene taprobanis. Walker: ii. 542 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 372.
———— Moore: Lep. Ceylon, ii. p. 64, pl. 104, f. 2 (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 293.
———— Cotes and Swinh.: Cat. Moths of India, ii. 113. 715 (1887).
Panassa cingalesa. Walker: xxxii. 607 (1865).
Antoceras grammophora. Felder: Reise Nov. Lep., pl. 106, f. 24 (1868).

Type. Ceylon, in B. M.

Type (*cingalesa*). Ceylon, in B. M.

a. Nilgiri Hills (2). b. Ceylon (2) (Thwaites).

442. Æmene subcinerea.

Æmene subcinerea. Moore: P. Z. S., Lond., 1878, p. 34.
———— Cotes and Swinh.: Cat. Moths of India, ii. 113. 714 (1887).

Type. N. W. India, in coll. Moore.

a. India (3). b. Bombay (2). c. India (2).

443. Æmene sordida.

Æmene sordida. Butler: Trans. Ent. Soc., Lond., 1877, p. 372.
———— Moore: Lep. Ceylon, ii. p. 65, pl. 104, f. 4 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 113. 713 (1887).

Type. South India, in B. M.

a. India.

GENUS **DIDUGA.** Moore: Lep. Ceylon, iii. p. 535 (1887).

444. Diduga costata.

Diduga costata. Moore: Lep. Ceylon, iii. p. 535, pl. 211, f. 8, 9 ♂ ♀ (1887).

Type. Dickoya, Ceylon, in coll. Moore.

a. Ceylon (2) (Thwaites).

GENUS **EUGOA.** Walker: xii. 768 (1857).

445. Eugoa æqualis.

Eugoa æqualis. Walker: xii. 768 (1857).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 374.
Lyclene trifascia. Walker: Journ. Linn. Soc., Lond., vi. p. 111 (1862).
———— xxxi. 246 (1864).

Lyclene imposita. Walker: Journ. Linn. Soc., Lond., vi. p. 112 (1862).
——— xxxi. 246 (1864).

Type. Sarawak, Borneo, in B. M.

Type (*imposita*). Sarawak, in B. M.

a. Sarawak, Borneo (type of *trifascia*) (Wallace). b. Sarawak, Borneo.

446. Eugoa bipunctata.

Lyclene bipunctata. Walker: Journ. Linn. Soc., Lond., vi. p. 116 (1862).
——— xxxi. 247 (1864).
Eugoa bipunctata. Butler: Trans. Ent. Soc., Lond., 1877, p. 374.

a. Sarawak, Borneo (type) (Wallace). b. Ceylon (Thwaites).

Genus **LYCLENE.** Moore: Cat. Lep. E. I. C., ii. p. 300 (1859).

447. Lyclene bizonoides.

Lyclene bizonoides. Walker: Journ. Linn. Soc., Lond., vi. p. 111 (1862).
——— xxxi. 246 (1864).
Nepita bizonoides. Butler: Trans. Ent. Soc., Lond., 1877, p. 336.

a. Sarawak, Borneo (type) (Wallace).

448. Lyclene distributa.

Lyclene distributa. Walker: Journ. Linn. Soc., Lond., vi. p. 113 (1862).
——— xxxi. 247 (1864).
Ammatho distributa. Butler: Trans. Ent. Soc., Lond., 1877, p. 343.
Eugoa distributa. Butler: Trans. Ent. Soc., Lond., 1877, p. 374.

Type. Borneo, in B. M.

a. Sarawak, Borneo (Wallace).

449. Lyclene ruenca. n. sp. Pl. iv. f. 15.

♂ Pale ochreous; palpi brown: fore-wings crossed by brown bands, the first two bands cross each other in the centre before the middle, the discal band curves outwardly and touches the two outer extremities of the crossing bands on the costa and hinder margin; there is also another outer discal band much dentated outwardly, with two dentations the bases of which nearly touch the other band; there is also an indistinct basal mark or streak. Hind-wings without any markings. Underside, pale dull ochreous, with the bands of the fore-wings faintly showing through, legs with brown stripes above.

Expanse of wing $\frac{8}{10}$ inch.

a. Sula (type) (Wallace).

Allied to *L. distributa* (Walker). The fore-wings are banded in a similar pattern, but the hind-wings are unmarked, whereas in the other species they have a marginal brown band broader than the bands on the fore-wings.

450. Lyclene vagilinea. Pl. iv. f. 11.

Lyclene vagilinea. Walker: Journ. Linn. Soc., Lond., vi. p. 114 (1862).
——— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).

451. Lyclene crassa.

Lyclene crassa. Walker: Journ. Linn. Soc., Lond., vi. p. 114 (1862).
———— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).

452. Lyclene tineoides.

Lyclene tineoides. Walker: Journ. Linn. Soc., Lond., vi. p. 115 (1862).
———— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).

453. Lyclene turbida.

Lyclene turbida. Walker: Journ. Linn. Soc., Lond., vi. p. 114 (1862).
———— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).

454. Lyclene strigicosta.

Lyclene strigicosta. Walker: Journ. Linn. Soc., Lond., vi. p. 114 (1862).
———— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).
The above two species are doubtfully distinct from each other.

455. Lyclene vagigutta.

Lyclene vagigutta. Walker: Journ. Linn. Soc., Lond., vi. p. 116 (1862).
———— xxxi. 247 (1864).

a. Sarawak, Borneo (type) (Wallace).

456. Lyclene atrigutta.

Lyclene atrigutta. Walker: Journ. Linn. Soc., Lond., vi. p. 116 (1862).
———— xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace).

457. Lyclene cuneifera.

Lyclene cuneifera. Walker: Journ. Linn. Soc., Lond., vi. p. 113 (1862).
———— xxxi. 247 (1864).
Lyclene cuneigera. Walker: Journ. Linn. Soc., Lond., vi. p. 113 (1862).
———— xxxi. 247 (1864).
Sesapa cuneigera. Butler: Trans. Ent. Soc., Lond., 1877, p. 344.

Type (*cuneigera*). Sarawak, in B. M.

a. Sarawak, Borneo (type) (Wallace). b. Sarawak (Wallace).

458. Lyclene semifascia.

Setina semifascia. Walker: ii. 521 (1854).
Nepita semifascia. Butler: Trans. Ent. Soc., Lond., 1877, p. 336.
– Swinhoe: P. Z. S., Lond., 1885, p. 293.
———— Cotes and Swinh.: Cat. Moths of India, ii. 105. 649 (1887).
Lyclene semifascia. Moore: Lep. Ceylon, ii. p. 63, pl. 103, f. 7 (1882).

Type. Ceylon, in B. M.

a. Indore, Central India. b. Ceylon (2) (Thwaites).

459. Lyclene nubifascia.

Barsine nubifascia. Walker: xxxi. 251 (1864).
Lyclene nubifascia. Butler: Trans. Ent. Soc., Lond., 1877, p. 340.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 110. 686 (1887).
Miltochrista nubifascia. Butler: Ill. Typ. Lep. Het., B. M., v. p. 38, pl. 86, f. 11 (1881).
Barsine punctifascia. Walker: Char. undescr. Lep. Het., p. 9 (1869).

Type. India, in coll. Stoudinger.
Type (*punctifascia*). Benares, in B. M.
a. India (2).

460. Lyclene dasara.

Setina dasara. Moore: Cat. Lep. E. I. C., ii. p. 303 (1859).
——————— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 32, pl. 122, f. 7, 8 (1889).
Nudaria dasara. Butler: Trans. Ent. Soc., Lond., 1877, p. 370.
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 182.

Type. Java, in B. M.
a. India.

461. Lyclene obliqua.

Lyclene obliqua. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 51, pl. 139, f. 25 (1891).

Type. Nilgiri Hills, in B. M.
a. Mettapolliam, Madras (Minchin).

462. Lyclene lineata.

Ammatho lineatus. Walker: iii. 760 (1855).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 343.

Type. Sumatra, in B. M.
a. Makessar, Celebes (Wallace).

GENUS **CABARDA.** Walker: xxviii. 435 (1863).

463. Cabarda sequens.

Lyclene sequens. Walker: Journ. Linn. Soc., Lond., vi. p. 112 (1862).
——————— xxxi. 247 (1864).
Cabarda molliculana. Walker: xxviii. 435 (1863).

Type (*molliculana*). Sarawak, in B. M.
a. Sarawak, Borneo (type) (Wallace).

Molliculana is the type of Walker's genus *Cabarda* which he put in the *Tortricidæ*. I have compared the two types together; they are identical.

464. Cabarda frigida.

Doliche frigida. Walker: ii. 534 (1854).
Nepita frigida. Butler: Trans. Ent. Soc., Lond., 1877, p. 337.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 105. 645 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 182.

Lyclene diffusa. Walker: Journ. Linn. Soc., Lond., vi. p. 111 (1862).
———————— xxxi. 246 (1864).

Type. Maulmein, in B. M.
a. Sarawak, Borneo (type *diffusa*) (Wallace).

GENUS **DOLICHE**. Walker: ii. 529 (1854).

465. Doliche gelida.

Doliche gelida. Walker: ii. 529 (1854).
———————— Butler: Trans. Ent. Soc., Lond., 1877, p. 337.
———————— Ill. Typ. Lep. Het., B. M., v. p. 36, pl. 86, f. 6 (1881).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 106. 654 (1887).

Type. Sylhet, in B. M.
a. Sylhet. b. India.

GENUS **CYANA**. Walker: ii. 528 (1854).

466. Cyana detrita.

Cyana detrita. Walker: ii. 529 (1854).
———————— Butler: Trans. Ent. Soc., Lond., 1877, p. 337.
———————— Ill. Typ. Lep. Het., B. M., v. p. 37, pl. 86, f. 9 (1881).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 106. 655 (1887).
Barsine suffundens. Walker: xxxi. 250 (1864).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 112. 707 (1887).

Type. Sylhet, in B. M.
a. South India (type *suffundens*). b. India (3) (Hutton).

GENUS **LIGIDIA**. Walker: Journ. Linn. Soc., Lond., vi. p. 117 (1862).

467. Ligidia decissima.

Ligidia decissima. Walker: Journ. Linn. Soc., Lond., vi. p. 117 (1862).
———————— xxxi. 244 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **BLAVIA**. Walker: Journ. Linn. Soc., Lond., vi. p. 108 (1862).

468. Blavia caliginosa.

Blavia caliginosa. Walker: Journ. Linn. Soc., Lond., vi. p. 108 (1862).
———————— xxxi. 243 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **CHUNDANA**. Walker: Journ. Linn. Soc., Lond., vi. p. 116 (1862).

469. Chundana lugubris. Pl. III. f. 20.

Chundana lugubris. Walker: Journ. Linn. Soc., Lond., vi. p. 117 (1862).
———————— xxxi. 244 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **SETINOCHROA**. Felder: Reise Nov. Lep., pl. 106, f. 16 (1868).

470. Setinochroa reversa.

Lithosia reversa. Walker: Journ. Linn. Soc., Lond., vi. p. 105 (1862).
———————— xxxi. 228 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **SESAPA**. Walker: ii. 547 (1854).

471. Sesapa inscripta.

Sesapa inscripta. Walker: ii. 547 (1854).
Sesapa erubescens. Butler: Trans. Ent. Soc., Lond., 1877, p. 345.

Type. North China, in B. M.
Type (*erubescens*). North China, in B. M.
a. China.

472. Sesapa sanguinea.

Setinochroa sanguinea. Moore: Ann. Mag. N. H. (4), xx. p. 87 (1877).

Type. Shanghai, in coll. Moore.
a. North China.

473. Sesapa straminea.

Miltochrista straminea. Walker: vii. 1685 (1856).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 103. 632 (1887).
Sesapa excurrens. Walker: xxxi. 255 (1864).
———————— Moore: P. Z. S., Lond., 1867, p. 677.
———————— Butler: Trans. Ent. Soc., Lond., 1877, p. 344.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 104. 638 (1887).
Sesapa decurrens. Walker: xxxi. 255 (1864).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 104. 637 (1887).

Types (*excurrens* and *decurrens*). Cherra-Pungi, and Darjiling, in coll. Stoudinger.
a. India (type). b. India (2) (Hutton) c. Assam (Jenkins).

474. Sesapa lutara.

Lyclene lutara. Moore: Cat. Lep. E. I. C., ii. p. 300, pl. 13, f. 12. 12 *a*, larva (1859).

Sesapa lutara. Butler: Trans. Ent. Soc., Lond., 1877, p. 345.

Type. Java, in B. M.

a. Flores (Wallace).

475. Sesapa divisa. Pl. IV. f. 21.

Hypoprepia divisa. Walker: Journ. Linn. Soc., Lond., vi. p. 102 (1862).
Sesapa divisa. Butler: Trans. Ent. Soc., Lond., 1877, p. 345.

a. Sarawak, Borneo (♂ ♀ types) (Wallace). b. Sarawak (Wallace).

GENUS **HYPOPREPIA.** Hübn.: Samml. Exot. Schm. 21 (1816).

476. Hypoprepia striata.

Lithosia striata. Bremer und Grey: Beitr. zur Schm. Nord. China's, 14. 65 (1853).
———— Walker: ii. 509 (1854).
Barsine striata. Butler: Trans. Ent. Soc., Lond., 1877, p. 340.
Hypoprepia lanceolata. Walker: vii. 1680 (1856).

a. China (type *lanceolata*). b. Japan.

477. Hypoprepia ziczac. Pl. IV. f. 8.

Hypoprepia ziczac. Walker: vii. 1681 (1856).

a. China (type).

GENUS **BARSINE.** Walker: ii. 546 (1854).

478. Barsine defecta.

Barsine defecta. Walker: ii. 546 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 340.
———— Cotes and Swinh.: Cat. Moths of India, ii. 111. 696 (1887).

Type. Nepal, in B. M.

a. Assam (2) (Jenkins).

479. Barsine cuneonotata.

Ammatho cuneonotatus. Walker: iii. 759 (1855).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 342.
Barsine cuneonotata. Moore: Lep. Ceyl., ii. p. 62, pl. 103, f. 10 (1882).

Type. Ceylon, in B. M.

a. Ceylon (5) (Thwaites).

Walker, in his vol. xxxi. p. 248, puts the above two together as one species, but of late years many examples of both have been received, and it is impossible to doubt that they are quite distinct.

480. Barsine mactans.

Barsine mactans. Butler: Trans. Ent. Soc., Lond., 1877, p. 340.
———— Cotes and Swinh.: Cat. Moths of India, ii. 112. 703 (1887).
Miltochrista mactans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 39, pl. 86, f. 13 (1881).

Type. Darjiling, in B. M.

a. India (2). b. Assam (Jenkins).

481. Barsine lucibilis. n. sp. Pl. III. f. 6.

♀ Antennæ, head, thorax, and fore-wings, yellow; thorax streaked with scarlet, a black spot on the vertex of the head and one on each tegula. Fore-wings with bright scarlet streaks on the costa, hinder margin, and in all the interspaces, three pale brown transverse thick lines, 1st and 2nd before the middle rather near together, 1st curved outwards, 2nd straight and outwardly oblique, 3rd discal gradually curving outwards from the hinder margin, then curved inwards on to the costa, with some very pale brown longitudinal streaks; these lines cause breaks in the scarlet streaks, a black spot at the base and another close to it on the sub-costal vein. Hindwings and abdomen pale greyish yellow, unmarked.

Underside, of a uniform pale greyish yellow, unmarked, the fore-wings internally suffused with pinkish.

Expanse of wings $1\frac{8}{10}$ inches.

a. Borneo (type).

Allied to *B. defecta* (Walker), differs chiefly in the almost continuous scarlet streaks on the fore-wings and in the shape of the transverse bands.

482. Barsine roseororata.

Ammatho roseororatus. Butler: Trans. Ent. Soc., Lond., 1877, p. 341.

Type. Sarawak, in B. M.

a. Sarawak, Borneo (3) (Wallace).

483. Barsine cruciata.

Hypoprepia cruciata. Walker: Journ. Linn. Soc., Lond., vi. p. 101 (1862).
Barsine cruciata. Walker: xxxi. 249 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 340.

Type. Sarawak, in B. M.

a. Sarawak, Borneo (2) (Wallace).

484. Barsine rhodophila.

Barsine rhodophila. Walker: xxxi. 254 (1864).
Sesapa rhodophila. Butler: Trans. Ent. Soc., Lond., 1877, p. 345.

Type. Shanghai, in B. M.

a. China.

485. Barsine delineata.

Hypoprepia (?) *delineata.* Walker: ii. 487 (1854).
Ammatho delineatus. Butler: Trans. Ent. Soc., Lond., 1877, p. 342.
Ammatho figuratus. Walker: iii. 759 (1855).

Type. Shanghai, in B. M.; type of *figuratus*, also from Shanghai, in B. M.

a. North China (2).

486. Barsine rutila.

Barsine rutila. Walker: xxxi. 253 (1864).

a. New Guinea (type) (Wallace).

487. Barsine lineata.

Barsine lineata. Walker: xxxi. 253 (1864).
Setina calligenioides. Snellen: Tijd. voor Ent., 1879, p. 87, pl. 7, f. 10 ♂.

a. Menado, Celebes (type) (Wallace).

488. Barsine perpusilla.

Barsine perpusilla. Walker: Journ. Linn. Soc., Lond., vi. p. 102 (1862).
——————— xxxi. 250 (1864).

a. Sarawak, Borneo (type) (Wallace).

489. Barsine vivida.

Barsine vivida. Walker: xxxi. 254 (1854).

a. Menado, Celebes (type) (Wallace).

490. Barsine scripta.

Barsine scripta. Walker: xxxi. 254 (1864).
Hypocrita meander. Snellen: Tijd. voor Ent., 1879, p. 88, pl. 7, f. 11.
Miltochrista collivolans. Butler: Ann. Mag. N. H. (5), viii. p. 380 (1881).

a. Makessar, Celebes (type) (Wallace).

491. Barsine rubricostata.

Hypocrita rubricostata. Herr. Schäff.: Lep. Exot., pl. 76, f. 439 (1853).
——————— Walker: xxxi. 249 (1864).
Ammatho rubricostatus. Butler: Trans. Ent. Soc., Lond., 1877, p. 342.
Hypoprepia rubrigutta. Walker: Journ. Linn. Soc., Lond., vi. p. 101 (1862).

a. Sarawak, Borneo (type *rubrigutta*) (Wallace).

492. Barsine euprepioides.

Hypoprepia euprepioides. Walker: Journ. Linn. Soc., Lond., vi. p. 102 (1862).
Barsine euprepioides. Walker: xxxi. 249 (1864).
Ammatho euprepioides. Butler: Trans. Ent. Soc., Lond., 1877. p. 343.
Hypocrita inclusa. Snellen: Tijd. voor Ent., 1877, p. 68, pl. 5, f. 2.

a. Sarawak, Borneo (type) (Wallace). b. Sula (Wallace).

493. Barsine intrita. n. sp. Pl. III. f. 23.

♀ Testaceous yellow, head with a brown stripe, thorax brown along each side with two brown bands, abdomen paler except towards the tip. Fore-wings brown with testaceous yellow bands of spots, one large spot at the base, two large spots before the middle on the costa and hinder margin, a small dot just below the costal spot, 3rd band of three large spots on costa, middle, and hinder margin, 4th band discal, composed of one long spot on costa followed by a line of four spear-shaped spots touching each other, 5th band marginal, of larger spots than those in the disc, with the spot at apex the largest. Hind-wings pale yellow. Underside, rosy, fore-wings rosy, with some

brown marks on costa and near apex, legs with brown bands, cilia of fore-wings above and below blackish, of hind-wings yellow.

Expanse of wings $1\frac{2}{10}$ inches.

a. Ceram (type) (Wallace).

Allied to *B. euprepioides* (Walker), spots on fore-wings somewhat similarly disposed but differently shaped, and differs in the hind-wings in having a yellow cilia instead of a black one, and differs altogether in the colouration and markings below, *euprepioides* being yellow below with a broad and uniform brown border to the wings. This insect from Ceram is also in the B. M. unnamed.

494. Barsine hypoprepioides. Pl. III. f. 22.

Lithosia hypoprepioides. Walker: Journ. Linn. Soc., Lond., vi. p. 106 (1862).

Barsine hypoprepioides. Walker: xxxi. 249 (1864).

a. Sarawak, Borneo (type) (Wallace).

495. Barsine punicea.

Barsine punicea. Moore: P. Z. S., Lond., 1878, p. 29.

——————— Descr. Ind. Lep. Ath., i. p. 36 (1879).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 112. 705 (1887).

Type. Darjiling, in coll. Moore.

a. Assam (Jenkins).

496. Barsine placens. Pl. III. f. 15.

Barsine placens. Walker: xxxi. 251 (1864).

Ammatho placens. Butler: Trans. Ent. Soc., Lond., 1877, p. 343.

a. Aru (type) (Wallace). b. Batchian (Wallace).

497. Barsine linga.

Barsine linga. Moore: Cat. Lep. E. I. C., ii. p. 301 (1859).

——————— Walker: xxxi. 249 (1864).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 112. 702 (1887).

Type. Darjiling, in B. M.

a. India (2) (Hutton).

Genus **BIZONE**. Walker: ii. 548 (1854).

498. Bizone perornata.

Bizone perornata. Walker: ii. 548 (1854).

——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.

——————— Ill. Typ. Lep. Het., B. M., v. p. 37, pl. 86, f. 8 (1881).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 108. 669 (1887).

Type. Sylhet, in B. M.

a. Sylhet (2). b. Assam (Jenkins). c. Sarawak, Borneo (Wallace).

499. Bizone puer.

Bizone puer. Elwes: P. Z. S., Lond., 1890, p. 392, pl. 32, f. 8 ♂.

Type. Darjiling, in coll. Elwes.

a. Assam.

500. Bizone javanica.

Bizone javanica. Butler: Trans. Ent. Soc., Lond., 1877, p. 338.

Type. Java, in B. M.

a. Java (Horsfield).

501. Bizone bianca.

Bizone bianca. Walker: vii. 1684 (1856).
——— Moore: Journ. As. Soc., Beng., liii. (2), 3, p. 235 (1884).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 182.
——— Cotes and Swinh.: Cat. Moths of India, ii. 107. 660 (1887).
——— Elwes: P. Z. S., Lond., 1890, p. 392.

a. India (type). b. India. c. Assam (Jenkins).

502. Bizone hamata.

Bizone hamata. Walker: ii. 549 (1854).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 338.
——— Elwes: P. Z. S., Lond., 1890, p. 391.

Type. Shanghai, in B. M.

a. China. b. Singapore (Wallace).

503. Bizone bellissima.

Bizone bellissima. Moore: P. Z. S., Lond., 1878, p. 27, pl. 3, f. 13.
——— Cotes and Swinh.: Cat. Moths of India, ii. 107. 659 (1887).
——— Elwes: P. Z. S., Lond., 1890, p. 397.

Type. Masuri, in coll. Moore.

a. Assam (Jenkins).

504. Bizone determinata.

Bizone determinata. Walker: Journ. Linn. Soc., Lond., vi. p. 120 (1862).
——— xxxi. 261 (1864).

a. Sarawak, Borneo (type) (Wallace).

505. Bizone puella.

Phalæna puella. Drury: Ins. Exot., ii. p. 3, pl. 2, f. 2 (1773).
Deiopeia puella. Westw.: ed. Drury, ii. p. 3, pl. 2, f. 2 (1837).
Bizone puella. Walker: ii. 549 (1854).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 338.
——— Swinhoe: P. Z. S., Lond., 1885, p. 293.
——— Cotes and Swinh.: Cat. Moths of India, ii. 108. 670 (1887).
Bizone peregrina. Elwes (nec. Walker): P. Z. S., Lond., 1890, p. 390.

a. India (3). b. Bombay (2).

506. Bizone peregrina.

Bizone peregrina. Walker: ii. 551 (1854).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 338.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 108. 668 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 182, and 1891, p. 136.
Bizone puella. Moore (nec. Drury): Cat. Lep. E. I. C., ii. p. 305, pl. 103, f. 3, 3 *a*, larva (1859).
——————— Snellen: Tijd. voor Ent., xx. p. 7 (1877).
——————— Moore: Lep. Ceyl., ii. p. 60, pl. 103, f. 3, 3 *a* (1882).
——————— Elwes: P. Z. S., Lond., 1890, p. 390.

Type. Ceylon, in B. M.
a. Ceylon.

507. Bizone pallens.

Bizone pallens. Butler: Trans. Ent. Soc., Lond., 1877, p. 338.
——————— Ill. Typ. Lep. Het., B. M., v. p. 36, pl. 86, f. 7 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 108. 667 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 182.
——————— Elwes: P. Z. S., Lond., 1890, p. 390.

Type. Maulmein, in B. M.
a. Singapore.

508. Bizone pudens.

Bizone pudens. Walker: Journ. Linn. Soc., Lond., vi. p. 120 (1862).
——————— xxxi. 261 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.
——————— Elwes: P. Z. S., Lond., 1890, p. 392.
Bizone perversa. Butler: Trans. Ent. Soc., Lond., 1877, p. 338.

Type. Sarawak, in B. M.
Type (*perversa*). Sarawak, in B. M.
a. Sarawak, Borneo (Wallace).

509. Bizone amabilis.

Bizone amabilis. Moore: P. Z. S., Lond., 1877, p. 597, pl. 59, f. 2.
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 106. 657 (1887).
——————— Elwes: P. Z. S., Lond., 1890, p. 392.

Type. Andaman Isles, in coll. Moore.
a. Siam (Mouhot).

510. Bizone emergens.

Bizone emergens. Walker: xxxi. 261 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.

Type. Hong Kong, in B. M.
a. North China.

511. Bizone signa.

Bizone signa. Walker: ii. 550 (1854).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.
——— Cotes and Swinh.: Cat. Moths of India, ii. 108. 672 (1887).
——— Elwes: P. Z. S., Lond., 1890, p. 396.
Bizone fasciculata. Walker: vii. 1684 (1856).
——— Cotes and Swinh.: Cat. Moths of India, ii. 107. 664 (1887).

Type. Sylhet, in B. M.
a. India (type *fasciculata*). b. India (4) (Ashmol. Mus. and Hutton).

512. Bizone divacara.

Barsine divacara. Moore: P. Z. S., Lond., 1865, p. 798, pl. 43, f. 9.
Bizone divacara. Butler: Trans. Ent. Soc., Lond., 1877, p. 337.
——— Cotes and Swinh.: Cat. Moths of India, ii. 107. 662 (1887).
——— Elwes: P. Z. S., Lond., 1890, p. 399.

Type. Darjiling, in coll. Moore.
a. Assam (Jenkins).

513. Bizone inconclusa.

Bizone inconclusa. Walker: Journ. Linn. Soc., Lond., vi. 120 (1862).
——— xxxi. 261 (1864).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 338.
——— Elwes: P. Z. S., Lond., 1890, p. 391.

Type. Sarawak, in B. M.
a. Sarawak, Borneo (Wallace).

514. Bizone conclusa.

Bizone conclusa. Walker: Journ. Linn. Soc., Lond., vi. p. 120 (1862).
——— xxxi. 261 (1864).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 337.
——— Elwes: P. Z. S., Lond., 1890, p. 391.

a. Sarawak, Borneo (type) (Wallace).

515. Bizone costifimbria.

Bizone costifimbria. Walker: Journ. Linn. Soc., Lond., vi. p. 121 (1862).
——— xxxi. 261 (1864).
——— Elwes: P. Z. S., Lond., 1890, p. 397.

a. Sarawak, Borneo (type) (Wallace).

516. Bizone guttifera.

Bizone guttifera. Walker: vii. 1779 (1856).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 339.
——— Cotes and Swinh.: Cat. Moths of India, ii. 107. 666 (1887).
——— Elwes: P. Z. S., Lond., 1890, p. 395.

Type. Landoor, India, in B. M.
a. Assam (Jenkins).

517. Bizone arama.

Bizone arama. Moore: Cat. Lep. E. I. C., ii. p. 306, pl. 7 *a*, f. 10 (1859).
——— P. Z. S., Lond.,1867, p. 678.

Bizone arama. Cotes and Swinh.: Cat. Moths of India, ii. 106. 658 (1887).
——————— Elwes: P. Z. S., Lond., 1890, p. 394.

Type. Darjiling, in B. M.
a. India (3).

518. Bizone gazella.

Bizone gazella. Moore: P. Z. S., Lond., 1872, p. 572, pl. 33, f. 4.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 107. 665 (1887).
——————— Elwes: P. Z. S., Lond., 1890, p. 399.

a. India (type). b. India.

The type specimen, a male, has lost its head, but the antennæ of that sex are not pectinated as shown in Moore's plate; they are of the usual kind, as shown in Walker's description of the genus.

GENUS **AGRISIUS**. Walker: iii. 723 (1855).

519. Agrisius fuliginosus.

Agrisius fuliginosus. Moore: P. Z. S., Lond., 1872, p. 571, pl. 33, f. 3.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 92. 544 (1887).
Agrisius japonicus. Leech: P. Z. S., Lond., 1888, p. 598, pl. 30, f. 10.

Type (*japonicus*). Japan, in coll. Leech.
a. India (type).

GENUS **BAROA**. Moore: P. Z. S., Lond., 1878, p. 28.

520. Baroa punctivaga.

Cycnia punctivaga. Walker: iii. 682 (1855).
Baroa punctivaga. Moore: P. Z. S., Lond., 1878, p. 28.

Type. Java, in B. M.
a. Java (Horsfield).

GENUS **MACROBROCHIS**. Herr. Schäff.: Lep. Exot. p. 72 (1856).

521. Macrobrochis gigas.

Lithosia gigas. Walker: ii. 494 (1854) ♂.
——————— vii. 1681 (1856) ♀.
Macrobrochis gigas. Walker: xxxi. 223 (1864).
——————— Moore: P. Z. S., Lond., 1878, p. 7.
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 41, pl. 87, f. 4 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 93. 556 (1887).
Macrobrochis interstitialis. Herr. Schäff.: Lep. Exot., pl. 72, f. 531 (1856).
Macrobrochis leucospilota. Moore: P. Z. S., Lond., 1878, p. 8.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 84. 557 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 181.

Macrobrochis albicans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 41, pl. 87 f. 5 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 93. 554 (1887).

Type ♂. Sylhet, in B. M.
Type (*leucospilota*). Cherrapunji, in B. M.
Type (*albicans*). Bhotan, in B. M.

a. Sylhet (type ♀, Walker, vii. 1681). b. India (4). c. Sylhet. d. Assam (2) (Jenkins).

After examining a long series from my own and this collection, I find it impossible to separate any of the above-named so-called species; *gigas* is a very variable species, and I am of opinion that the following is also doubtfully distinct.

522. Macrobrochis nigrescens.

Macrobrochis nigrescens. Moore: P. Z. S., Lond., 1878, p. 8.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 94. 558 (1887).
Macrobrochis atrata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 40, pl. 87, f. 3 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 93. 555 (1887).

Type. N. E. Bengal, in coll. Moore.
Type (*atrata*). Darjiling, in B. M.
a. India (2).

Genus **TRIPURA**. Moore: Cat. Lep. E. I. C., ii. p. 298 (1859).

523. Tripura prasena.

Tripura prasena. Moore: Cat. Lep. E. I. C., ii. p. 299, pl. 7 *a*, f. 6 (1859).
——————— P. Z. S., Lond., 1878, p. 8.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 94. 560 (1887).

Type. N. India, in B. M.
a. India (2).

Genus **CHRYSORABDIA**. Butler: Trans. Ent. Soc., Lond., 1877, p. 357.

524. Chrysorabdia viridata.

Lithosia (*Macrobrochis*) *viridata.* Walker: xxxi. 225 (1864), and xxxv. 1882 (1866).
Chrysorabdia viridata. Butler: Trans. Ent. Soc., Lond., 1877, p. 357.
——————— Moore: P. Z. S., Lond., 1878, p. 19, pl. 2, f. 1.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 103. 628 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India (2).

525. Chrysorabdia bivitta.

Lithosia bivitta. Walker: vii. 1682 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 102. 626 (1887).

a. India (type).

526. Chrysorabdia disjuncta.

Lithosia disjuncta. Moore: P. Z. S., Lond., 1865, p. 797.
———— Walker: xxxv. 1882 (1866).
———— Cotes and Swinh.: Cat. Moths of India, ii. 102. 619 (1887).
Lithosia bivitta, var. Walker: vii. 1682 (1856).

Type. Darjiling, in coll. Moore.
a. India (type *bivitta, var.*).

Genus **ŒNISTIS.** Hübn.: Verz. bek. Schm., p. 165 (1816).

527. Œnistis entella.

Phalæna entella. Cramer: Pap. Exot., iii. pl. 208, f. D (1779).
Lithosia entella. Walker: ii. 495 (1854).
Crambomorpha entella. Butler: Trans. Ent. Soc., Lond., 1877, p. 356.
———— Butler: P. Z. S., Lond., 1880, p. 671.
———— Swinhoe: P. Z. S., Lond., 1885, p. 293.
Œnistis entella. Moore: P. Z. S., Lond., 1878, p. 14 and p. 847.
———— Lep. Ceyl., ii. p. 55, pl. 101, f. 2 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 95. 570 (1887).
Œnistis entelleola. Hübner: Verz. bek. Schm., p. 165 (1816).
Noctua delia. Fabr.: Ent. Syst., iii. 2. 25 (1793).
———— Donov.: Epit. Ins. New Holl., plate (1805).
Lithosia delia. Boisd.: Voy. de l'Astrolabe, pt. 1, Lep. 209. 1 (1832).
Crambomorpha delia. Butler: Trans. Ent. Soc., Lond., 1877, p. 356.

a. Ceylon (4) (Thwaites). b. Bombay. c. Sarawak, Borneo (Wallace). d. Jéjéa. e. Amboina (Wallace).

Though typical specimens appear distinct, from a long series in my own and this collection from many localities I think it is impossible to separate *delia* from *entella.*

Genus **CHRYSÆGLIA.** Butler: Trans. Ent. Soc., Lond., 1877, p. 356.

528. Chrysæglia magnifica.

Lithosia magnifica. Walker: Journ. Linn. Soc., Lond., vi. p. 103 (1862).
———— xxxi. 227 (1864).
Chrysæglia magnifica. Butler: Trans. Ent. Soc., Lond., 1877, p. 356.
———— Moore: P. Z. S., Lond., 1878, p. 13.

Type. Sarawak, in B. M.
a. Sarawak, Borneo (Wallace).

Genus **DEIOPEIA.** Steph.: Ill. Brit. Ent. Haust., ii. p. 92 (1829)

529. Deiopeia pulchella.

Tinea pulchella. Linn.: Syst. Nat., i. 2. 884. 349 (1767).
Bombyx pulchella. Fabr.: Sp. Ins., ii. 203. 142 (1781).

Utethesia pulchella. Hübner: Verz. bek. Schm., 168. 1733 (1816).
——— Moore: Lep. Ceylon, ii. p. 67, pl. 104, f. 5 (1882).
Deiopeia pulchella. Walker: ii. 566 (1854).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 361.
——— Thugwell: Ent., xi. p. 186 (1878).
——— Butler: P. Z. S., Lond., 1880, p. 671.
——— Swinhoe: P. Z. S., Lond., 1886, p. 436.
——— Cotes and Swinh.: Cat. Moths of India, ii. 116. 739 (1887).
Noctua pulchra. Esper.: Schmett., iv. 570, pl. 164, f. 3–5 (1777).
Bombyx pulchra. Hübn.: Bomb., 128. 1, pl. 26, f. 113 (1806–24).
Phalæna lotrix. Cramer: Pap. Exot., ii. pl. 109, f. E (1777).
Deiopeia lotrix. Butler: Trans. Ent. Soc., Lond., 1877, p. 361.
——— Swinhoe: P. Z. S., Lond., 1885, p. 294, and 1886, p. 436.
——— Cotes and Swinh.: Cat. Moths of India, ii. 116. 738 (1887).
Deiopeia thyter. Butler: Trans. Ent. Soc., Lond., 1877, p. 361.
——— P. Z. S., Lond., 1881, p. 614.
——— Swinhoe: P. Z. S., Lond., 1884, p. 515.
——— Trans. Ent. Soc., Lond., 1885, p. 347.
——— Butler: Ann. Mag. N. H. (5), xviii. p. 190 (1886).
——— Cotes and Swinh.: Cat. Moths of India, ii. 117. 740 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 183.

Type (*thyter*). Turkey, in B. M.

a. India (8). **b.** Sylhet (2). **c.** Port Essington (2). **d.** New Holland. **e.** Java. **f.** Ceylon. **g.** Mysol (Wallace).

GENUS **ARGINA.** Hübn.: Verz. bek. Schm., p. 167 (1816).

530. Argina syringa.

Phalæna syringa. Cramer: Pap. Exot., i. pl. 5, f. C (1775).
Deiopeia syringa. Walker: ii. 572 (1854).
Argina syringa. Butler: Trans. Ent. Soc., Lond., 1877, p. 366.
——— Moore: Lep. Ceylon, ii. p. 69, pl. 105, f. 2, 2*a*, 2*b*, 2*c* (1882).
——— Swinhoe: P. Z. S., Lond., 1885, p. 294.
——— Cotes and Swinh.: Cat. Moths of India, ii. 118. 749 (1887).
Bombyx crotalariæ. Fabr.: Ent. Syst., iii. i. 473. 204 (1793).
Argina crotalariæ. Hübner: Verz. bek. Schm., 167. 1730 (1816).

a. India (3). **b.** Poona.

531. Argina argus.

Euprepia argus. Kollar: Hügl. Kasch., iv. p. 467, pl. 21, f. 3 (1848).
Deiopeia argus. Walker: ii. 571 (1854), and vii. 1686 (1856).
Argina argus. Moore: Cat. Lep. E. I. C., ii. p. 309, pl. 14, f. 3, 3*a* (1859).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 366.
——— Moore: Lep. Ceylon, ii. p. 69, pl. 105, f. 1, *a*, *b*, *c* (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 117. 741 (1887).

a. Ceylon (5) (Thwaites). **b.** Sylhet. **c.** India (4).

532. Argina pulchra. n. sp.: Pl. III. f. 5.

♂ Antennæ and last joint of palpi black, remainder of palpi, head, body, and hind-wings bright chrome yellow; fore-wings bright scarlet slightly tinged with yellow, spots deep black, spots in thorax and abdomen as in *A. syringa* and *A. argus*: spots in both wings as in *A. argus* (Kollar); but the spots in fore-wings much larger and surrounded with yellow, not white, as in that species. Underside of a uniform bright chrome yellow, the black spots in the wings very prominent, but without the rings in the fore-wings, body spotted with black as in *A. argus*, legs brown.

Expanse of wings $2\frac{2}{10}$ inches.

a. Philippines (type).

A very brightly coloured insect nearest to *A. argus* (Kollar), but not like any species in the genus.

533. Argina cribraria.

Phalæna cribraria. Clerck: Icon. Ins., ii. pl. 54, f. 4 (1759–64).
Phalæna (Geometra) cribraria. Cramer: Pap. Exot., iii. pl. 208, f. G (1777).
Argina cribraria. Aurivillius: Kongl. Sv. Vet. Akad. Handl., xix. 5. 181 (1882).
—— —— Moore: Lep. Ceylon, ii. p. 68, pl. 106, f. 1, 1 *a* (1882).
—— Butler: P. Z. S., Lond., 1888, p. 156.
—— Swinhoe: P. Z. S., Lond., 1886, p. 436.
—— Cotes and Swinh.: Cat. Moths of India, ii. 117. 743 (1887).
—— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 183.
Phalæna (Noctua) astrea. Drury: Ill., ii. p. 11, pl. 6, f. 3 (1773).
Deiopeia astrea. Walker: ii. 570 (1854).
Argina astrea. Moore: Cat. Lep. E. I. C., ii. p. 308, pl. 14, f. 2, 2 *a* (1859).
—— Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
—— Swinhoe: P. Z. S., Lond., 1886, p. 436.
—— Moore: Trans. Linn. Soc., Lond., 1886, xxi. p. 55.
—— Cotes and Swinh.: Cat. Moths of India, ii. 117. 742 (1887).
Bombyx pylotis. Fabr.: Syst. Ent., p. 585 (1775).
Hypocrita pylotis. Hübner: Samml. Exot. Schm., i. pl. 189, f. 1–4 (1806–24).
Argina pylotis. Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
—— Cotes and Swinh.: Cat. Moths of India, ii. 118. 748 (1887).
Argina notata. Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
—— Swinhoe: P. Z. S., Lond., 1885, p. 204, and 1886, p. 436.
—— Cotes and Swinh.: Cat. Moths of India, ii. 118. 746 (1887).

Type (*notata*). North India, in B. M.

a. Central India (?) (Hearsay). **b.** India (2) (Templeton). **c.** Canton. **d.** East Australia. **e.** Moreton Bay. **f.** Bouru (Wallace). **g.** Batchian (2) (Wallace). **h.** Mysol (Wallace). **i.** Bali (Wallace). **j.** Ceram (Wallace).

534. Argina dulcis.

Deiopeia dulcis. Walker: ii. 569 (1854).
Argina dulcis. Butler: Trans. Ent. Soc., Lond., 1877, p. 364.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 294.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 118. 744 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 183.
Phalæna cribraria, var. ♀. Cramer: Pap. Exot., iii. pl. 288, f. D (1780).
Xanthestes guttata. Rambur: Faune de l'Andalousie, ii. p. 229 (1866).
Argina guttata. Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 294.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 118. 745 (1887).
Phalæna cribraria ♂. Cramer (nec Clerck): Pap. Exot., iii. pl. 208, f. C (1779).

Type. Malabar Coast, in B. M.
a. Sylhet (2). b. Bombay. c. India.

GENUS **NUDARIA.** Haw.: Lep. Brit., p. 156 (1810).

535. Nudaria albida.

Nudaria albida. Walker: xxxi. 273 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 371.

Type. Moreton Bay, in B. M.
a. Queensland.

536. Nudaria flava.

Setina flava. Brem. and Grey: Beitr. zur Schm. Faun. des Nord. China's, 15. 681.
——————— Walker: ii. 519 (1854).

Type. N. China, in Mus. St. Petersburg.
a. Japan (2).

537. Nudaria apicalis.

Setina apicalis. Walker: ii. 521 (1854).
Setina bipunctata. Walker: Journ. Linn. Soc., Lond., iii. p. 185 (1859).
——————————— xxxi. 236 (1864).

Type. China, in B. M.
a. Singapore (type *bipunctata*) (Wallace).

GENUS **TATARGYNA.** Butler: Trans. Ent. Soc., Lond., 1877, p. 366.

538. Tatargyna formosa.

Tatargyna formosa. Butler: Trans. Ent. Soc., Lond., 1877, p. 306.
Deiopeia picta, var. Walker: xxxi. 264 (1864).

Type. South China, in B. M.
a. Amoy, China. b. Hong Kong (Champion).

GENUS **VAMUNA**. Moore: P. Z. S., Lond., 1878, p. 10.

539. Vamuna remelana.

Lithosia remelana. Moore: P. Z. S., Lond., 1865, p. 798.
——————— Walker: xxxv. 1883 (1866).
Crambomorpha remelana. Butler: Trans. Ent. Soc., Lond., 1877, p. 357.
Vamuna remelana. Moore: P. Z. S., Lond., 1878, p. 10.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 95. 565 (1887).

Type. Darjiling, in coll. Moore.
a. India (3).

GENUS **MANTALA**. Walker: Journ. Linn. Soc., Lond., vi. p. 108 (1862).

540. Mantala tineoides. Pl. IV. f. 23.

Mantala tineoides. Walker: Journ. Linn. Soc., Lond., vi. p. 108 (1862).
——————————— xxxi. 243 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **TEGULATA**. Walker: Journ. Linn. Soc., Lond., vi. p. 110 (1862).

541. Tegulata tumida.

Tegulata tumida. Walker: Journ. Linn. Soc., Lond., vi. p. 110 (1862).
——————————— xxxi. 243 (1864).
Tegulata basistriga. Moore: P. Z. S., Lond., 1878, p. 22, pl. 2, f. 5.
——————— — ——— Descr. Ind. Lep. Atk., i. p. 31 (1879).
——————————— Lep. Ceylon, ii. p. 58, pl. 102, f. 3 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 100. 607 (1887).

Type (*basistriga*). Ceylon, in coll. Stoudinger.
a. Sarawak, Borneo (type) (Wallace).

GENUS **CORCURA**. Walker: Journ. Linn. Soc., Lond., v. p. 110 (1862).

542. Corcura torta. Pl. III. f. 10.

Corcura torta. Walker: Journ. Linn. Soc., Lond., vi. p. 111 (1862).
——————————— xxxi. 243 (1864).
Ityca humeralis. Walker: xxxv. 1890 (1866).

a. Sarawak, Borneo (type) (Wallace). b. Malacca (type *Ityca humeralis*) (Wallace).

543. Corcura discalis. Pl. III. f. 12.

Lithosia discalis. Walker: Journ. Linn. Soc., Lond., vi. p. 108 (1862).
——————————— xxxi. 228 (1864).

a. Sarawak, Borneo (type) (Wallace).

544. Corcura mysolica. n. sp.: Pl. III. f. 18.

♂ Greyish fawn colour, head, thorax, and basal portion of abdomen pale grey, apical portion including the large anal tuft dark blackish

brown. Fore-wings fawn colour, a pale greyish band of raised scales on basal half of costa terminating in a square black patch, an indistinct discal transverse grey band, and a similar marginal band, cilia yellow. Hind-wings yellow unmarked. Underside, fore-wings brown with yellow margins, hind-wings yellow, body and legs yellow, legs with brownish stripes.

Expanse of wings $1\frac{1}{10}$ inch.

a. Mysol (type) (Wallace).

Chiefly differs from *C. torta* in the absence of the prominent black costal stripe, and in the stripe of raised scales on the basal half of costa of fore-wings.

GENUS **TEULISNA**. Walker: Journ. Linn. Soc., Lond., vi. p. 109 (1862).

545. Teulisna plagiata. Pl. III. f. 11.

Teulisna plagiata. Walker: Journ. Linn. Soc., Lond., vi. p. 109 (1862).
——————— xxxi. 243 (1864).

a. Sarawak, Borneo (type) (Wallace).

546. Teulisna chiloides. Pl. IV. f. 10.

Teulisna chiloides. Walker: Journ. Linn. Soc., Lond., vi. p. 109 (1862).
——————— xxxi. 243 (1864).

a. Sarawak, Borneo (type) (Wallace).

547. Teulisna tetragona.

Lithosia tetragona. Walker: ii. 510 (1854).
Teulisna tetragona. Butler: Trans. Ent. Soc., Lond., 1877, p. 355.
——————— Ill. Typ. Lep. Het., B. M., v. p. 39, pl. 86, f. 14 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 101. 618 (1887).

Type. Sylhet, in B. M.

a. India. b. Sarawak, Borneo (Wallace).

548. Teulisna bipunctata.

Lithosia bipunctata. Walker: xxxv. 1884 (1866).

a. New Guinea (type) (Wallace).

GENUS **ZADADRA**. Moore: P. Z. S., Lond., 1878, p. 25.

549. Zadadra distorta.

Lithosia distorta. Moore: P. Z. S., Lond., 1872, p. 572.
Zadadra distorta. Moore: P. Z. S., Lond., 1878, p. 25, pl. 2, f. 15.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 102. 620 (1887).

a. India (♂ ♀ types).

GENUS **BRUNIA**. Moore: P. Z. S., Lond., 1878, p. 15.

550. Brunia antica.

Lithosia antica. Walker: ii. 505 (1854).
———————— Journ. Linn. Soc., Lond., vi. p. 103 (1862).
———————— Moore: P. Z. S., Lond., 1877, p. 597.
———————— Butler: Trans. Ent. Soc., Lond., 1877, p. 349.
Brunia antica. Moore: P. Z. S., Lond., 1878, p. 15, pl. 1, f. 9.
———————— Lep. Ceylon, ii. p. 56, pl. 101, f. 3 (1882).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 102. 624 (1887).
Lithosia sarawaka. Butler: Trans. Ent. Soc., Lond., 1877, p. 350.

Type. Ceylon, in B. M.
Type (*sarawaka*). Sarawak, Borneo, in B. M.
a. India (2). b. Bombay. c. Sarawak, Borneo (2) (Wallace).

551. Brunia replana.

Phalæna replana. Lewin: Prod. Ent., 16, pl. 15 (1805).
Lithosia replana. Boisd.: Voy. de l'Astrolabe, pt. 1, Lep. 210. 3 (1832).
———————— Walker: ii. 507 (1854)
Cossa replana. Butler: Trans. Ent. Soc., Lond., 1877, p. 349.
Lithosia dispar. Leach: Zool. Miscell., i. 109, pl. 49, f. 1–3 (1814).

a. N. S. Wales. b. Moreton Bay. c. E. Australia.

GENUS **LITHOSIA**. Fabr.: Ent. Syst. Suppl., 459 (1798).

552. Lithosia bicosta.

Lithosia bicosta. Walker: ii. 506 (1854).
———————— Butler: Trans. Ent. Soc., Lond., 1877, p. 349.
———————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 762.
Lithosia replana, var. Walker: vii. 1682 (1856) ♀.
Lithosia fraterna. Butler: Trans. Ent. Soc., Lond., 1877, p. 349.

Type. Sydney, in B. M.
Type (*fraterna*). Tasmania, in B. M.
a. Van Diemen's Land (type of *replava, var.*). b. Van Diemen's Land (4) (Burchill Coll.).

GENUS **SIMAREEA**. Moore: P. Z. S., Lond., 1878, p. 16.

553. Simareea basinota.

Lithosia basinota. Moore: P. Z. S., Lond., 1865, p. 798.
———————— Walker: xxxv. 1883 (1866).
Œnistis basinota. Butler: Trans. Ent. Soc., Lond., 1877, p. 356.
Simarcea basinota. Moore: P. Z. S., Lond., 1878, p. 14, pl. 1, f. 16.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 101. 614 (1887).

Type. Darjiling, in coll. Moore.
a. India.

GENUS **CAPISSA**. Moore: P. Z. S., Lond., 1878, p. 19.

554. Capissa vagesa.

Lithosia vagesa. Moore: Cat. Lep. E. I. C., ii. p. 304 (1859).
—— —— P. Z. S., Lond., 1867, p. 677.
Macrobrochis (Lithosia) vagesa. Walker: xxxi. 226 (1864).
Capissa vagesa. Moore: P. Z. S., Lond., 1878, p. 19.
———— Cotes and Swinh.: Cat. Moths of India, ii. 98. 594 (1887).

Type. Darjiling, in B. M.
a. Makessar, Celebes (Wallace). b. India.

555. Capissa nigripars.

Lithosia nigripars. Walker: vii. 1779 (1856).
Capissa nigripars. Moore: P. Z. S., Lond., 1878, p. 19.
———— Cotes and Swinh.: Cat. Moths of India, ii. 98. 592 (1887).

a. India (type).

556. Capissa insolita.

Lithosia insolita. Walker: ii. 497 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 353.

Type. Shanghai, in B. M.
a. China.

557. Capissa intacta.

Lithosia intacta. Walker: Journ. Linn. Soc., Lond., vi. p. 103 (1862).
———— —— xxxi. 227 (1864).

a. Sarawak, Borneo (type) (Wallace).

558. Capissa fasciata.

Capissa fasciata. Moore: P. Z. S., Lond., 1878, p. 20, pl. 2, f. 4.
———— Lep. Ceylon, ii. p. 57, pl. 102, f. 2 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 98. 589 (1887).

Type. Ceylon, in coll. Mackwood.
a. Ceylon (5) (Thwaites).

GENUS **SYSTROPHA**. Hübn.: Verz. bek. Schm., p. 166 (1816).

559. Systropha nitens.

Lithosia nitens. Walker: xxxi. 231 (1864).

Type. Moreton Bay, in B. M.
a. South Australia (2).

GENUS **NISHADA**. Moore: P. Z. S., Lond., 1878, p. 23.

560. Nishada nodicornis.

Lithosia nodicornis. Walker: Journ. Linn. Soc., Lond., vi. p. 104 (1862).
———— —— —— xxxi. 227 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 354.

Lithosia chilomorpha. Snellen: Tijd. voor Ent., 1877, p. 67, pl. 5, f. 1 *a*.

a. Sarawak, Borneo (type) (Wallace). b. Sarawak (♂ ♀) (Wallace).

561. Nishada fasciculosa. Pl. IV. f. 16.

Lithosia fasciculosa. Walker: Journ. Linn. Soc., Lond., vi. 105 (1862).
——————— ——————— xxxi. 228 (1864).

a. Sarawak, Borneo (type) (Wallace).

562. Nishada rotundipennis.

Lithosia rotundipennis. Walker: Journ. Linn. Soc., Lond., vi. 104 (1862).
——————————————— xxxi. 227 (1864).

a. Sarawak, Borneo (type) (Wallace).

Genus **GAMPOLA.** Moore: P. Z. S., Lond., 1878, p. 26.

563. Gampola fasciata.

Gampola fasciata. Moore: P. Z. S., Lond., 1878, p. 27, pl. 2, f. 18.
——————————— Lep. Ceylon, ii. p. 58, pl. 102, f. 4, 4*a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 102. 623 (1887).

Type. Ceylon, in coll. Mackwood.

a. Ceylon (4) (Thwaites).

Genus **MACOTASA.** Moore: P. Z. S., Lond., 1878, p. 26.

564. Macotasa tortricoides. Pl. III. f. 19.

Lithosia tortricoides. Walker: Journ. Linn. Soc., Lond., vi. 107 (1862).
——————— ——————— xxxi. 228 (1864).
Teulisna tortricoides. Butler: Trans. Ent. Soc., Lond., 1877, p. 355.

a. Sarawak, Borneo (♂ ♀ types) (Wallace). b. Singapore (Wallace).

Genus **PRABHASA.** Moore: P. Z. S., Lond., 1878, p. 25.

565. Prabhasa xylinoides. Pl. IV. f. 17.

Lithosia xylinoides. Walker: Journ. Linn. Soc., Lond., vi. 107 (1862).
——————— ——————— xxxi. 228 (1864).

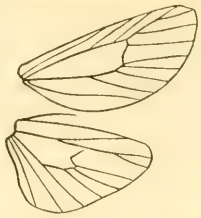
a. Sarawak, Borneo (type) (Wallace).

Genus **GURNA.** Gen. Nov.

Type, *G. indica* (Moore).

♂ Antennæ with short paired bristles at the end of each joint, palpi short and porrect, middle and hind femora with minute terminal pairs of spurs, veination of a normal *Lithosid* type. Fore-

wing with veins 7, 8, and 9 stalked together, not anastomosing with 12. Hind-wing with 4 and 5 from end of cell, 6 and 7 stalked.



Gen. *Gurna* Nov. (*Male*).

566. Gurna indica.

Dysauxes indica. Moore: P. Z. S., Lond., 1879, p. 390.
———— Swinhoe: P. Z. S., Lond., 1885, p. 291.
———— Cotes and Swinh.: Cat. Moths of India, ii. 52. 276 (1887).

Type. Bombay, in coll. Moore.
a. Poona.

GENUS **COLLITA.** Moore: P. Z. S., Lond., 1878, p. 16.

567. Collita prabana.

Lithosia prabana. Moore: Cat. Lep. E. I. C., ii. p. 304 (1859).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 354.
Lithosia nigricans. Walker: Journ. Linn. Soc., Lond., vi. 103 (1862).
———— xxxi. 227 (1864).

Type. Java, in B. M.
a. Sarawak, Borneo (type, *nigricans*) (Wallace). b. Sula (Wallace).

568. Collita adaucta.

Lithosia adaucta. Butler: Ann. Mag. N. H. (4), xx. p. 398 (1877).

Type. Japan, in B. M.
a. Japan (3).

569. Collita muricolor.

Lithosia muricolor. Walker: Journ. Linn. Soc., Lond., vi. p. 105 (1862).
———— xxxi. 228 (1864).

Type. Sarawak, in B. M.
a. Sarawak, Borneo (Wallace).

570. Collita leucanioides. Pl. III. f. 7.

Lithosia leucanioides. Walker: Journ. Linn. Soc., Lond., vi. p. 103 (1862).
———— xxxi. 227 (1864).

a. Sarawak, Borneo (type) (Wallace).

571. Collita fuliginosa.

Lithosia fuliginosa. Walker: Journ. Linn. Soc., Lond., vi. p. 106 (1862).
———— xxxi. 228 (1864).

a. Sarawak, Borneo (type) (Wallace).

572. Collita simplex.

Lithosia simplex. Walker: Journ. Linn. Soc., Lond., vi. p. 105 (1862).
———— xxxi. 228 (1864).
Lithosia decreta. Butler: Trans. Ent. Soc., Lond., 1877, p. 351.

Type (*decreta*). Sarawak, in B. M.
a. Sarawak, Borneo (type) (Wallace). **b.** Sarawak (Wallace).

GENUS **TARIKA.** Moore: P. Z. S., Lond., 1878, p. 15.

573. Tarika varana.

Lithosia varana. Moore: P. Z. S., Lond., 1865, p. 797.
———— Walker: xxxv. 1882 (1866).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 353.
Tarika varana. Moore: P. Z. S., Lond., 1878, p. 15, pl. 1, f. 8.
———— Cotes and Swinh.: Cat. Moths of India, ii. 96. 577 (1887).

Type. Darjiling, in coll. Moore.
a. India (2).

574. Tarika nivea.

Tarika nivea. Moore: P. Z. S., Lond., 1878, p. 15.
———— Descr. Ind. Lep. Atk., i. p. 27 (1879).
———— Cotes and Swinh.: Cat. Moths of India, ii. 96. 576 (1887).

Type. Darjiling, in B. M.
a. India.

GENUS **CALLAMIDIA.** Butler: Trans. Ent. Soc., Lond., 1877, p. 358.

575. Callamidia hirta.

Lithosia hirta. Walker: ii. 510 (1854).
Callamidia hirta. Butler: Trans. Ent. Soc., Lond., 1877, p. 378.
———— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 694.

Type. Sydney, in B. M.
a. Australia (2). **b.** New South Wales. **c.** Sydney.

GENUS **SCOLIACMA.** Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 695.

576. Scoliacma bicolora.

Lithosia bicolora. Boisd.: Voy. de l'Astrolabe, i. Lep. 211. 4, pl. 3, f. 9 (1832).
———— Walker: ii. 511 (1854).
Dyphlebia bicolora. Butler: Trans. Ent. Soc., Lond., 1877, p. 346.
Scoliacma bicolor. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 695.

a. New South Wales (3). **b.** Van Diemen's Land (3). **c.** New Holland (3).

GENUS **EXOTROCHA**. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 693.

577. Exotrocha liboria.

Phalæna liboria. Cramer: Pap. Exot., iv. 106, pl. 34, f. D (1782).
Apistosia liboria. Hübner: Verz. bek. Schm., 164. 1695 (1816).
Lithosia liboria. Walker: ii. 511 (1854).
Dyphlebia liboria. Butler: Trans. Ent. Soc., Lond., 1877, p. 347.
Exotrocha liboria. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 693.
Lithosia laticincta. Walker: vii. 1683 (1856).

Type (*laticincta*). Ceram, in B. M.
a. Ceram (Wallace).

578. Exotrocha tricolor.

Dyphlebia tricolor. Butler: Trans. Ent. Soc., Lond., 1877, p. 347.

Type. Aru, in B. M.
a. Aru (Wallace). b. Dorey (Wallace). c. New Guinea (Wallace).

GENUS **EUTANE**. Walker: ii. 531 (1854).

579. Eutane terminalis.

Eutane terminalis. Walker: ii. 531 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 335.
———— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 746.

Type. New Holland, in B. M.
a. New South Wales (5). b. Sydney (2).

580. Eutane maculata.

Eutane maculata. Butler: Trans. Ent. Soc., Lond., 1877, p. 335.

Type. Australia, in B. M.
a. New South Wales.

581. Eutane aureocuprea. Pl. III. f. 21.

Lithosia aureocuprea. Walker: xxxv. 1885 (1866).

a. Gilolo (type) (Wallace).

582. Eutane brevis. n. sp.: Pl. III. f. 13.

Lithosia brevis. Walker: MS.

♂ Antennæ, body, and fore-wings blackish brown; frons, sides of thorax in front and tip of abdomen ochreous. Fore-wings, with pale luteous, nearly white streaks and spots, a small space at the immediate base, a streak below the costa from near the base to near the middle, a corresponding streak on the hinder margin, a streak in the interno-median interspace, from near the base to near the outer margin, contracted and almost disconnected in the middle, a short streak in the outer end of cell, a broader one on a line between it and the outer margin, and a thin sub-costal streak between and above

them. Hind-wings pale luteous, with a broad blackish brown marginal band. Underside, wings marked as above, but more luteous.

Expanse of wings 1 inch.

a. Sarawak, Borneo (type) (Wallace).

Genus **KATHA**. Moore: P. Z. S., Lond., 1878, p. 17.

583. Katha brevipennis.

Lithosia brevipennis. Walker: ii. 509 (1854).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 351.
Katha brevipennis. Moore: P. Z. S., Lond., 1878, p. 17.
——— ——— Lep. Ceylon, ii. p. 56, pl. 101, f. 4 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 97. 580 (1887).

Type. Ceylon, in B. M.

a. India.

584. Katha apicalis. Pl. IV. f. 9.

Lithosia apicalis. Walker: Journ. Linn. Soc., Lond., vi. p. 104 (1862).
——— xxxi. 227 (1864).
——— Butler: Trans. Ent. Soc., Lond., 1877, p. 351.
Lithosia dorsalis. Walker: xxxv. 1883 (1866).

a. Sarawak, Borneo (type) (Wallace). b. Sula (type, *dorsalis*) (Wallace).

585. Katha intermixta.

Lithosia (Macrobrochis) intermixta. Walker: xxxi. 229 (1864).
Lithosia intermixta. Butler: Trans. Ent. Soc., Lond., 1877, p. 351.
——— Moore: P. Z. S., Lond., 1877, p. 597.
Katha intermixta. Moore: P. Z. S., Lond., 1878, p. 17.
——— Cotes and Swinh.: Cat. Moths of India, ii. 97. 582 (1887).

Type. South India, in B. M.

a. India.

Genus **COSSA**. Walker: xxxi. 233 (1864).

586. Cossa vagivitta. Pl. III. f. 14.

Lithosia vagivitta. Walker: xxxv. 1884 (1866).

a. Ceram (type) (Wallace).

Genus **DOLGOMA**. Moore: P. Z. S., Lond., 1878, p. 20.

587. Dolgoma nebulosa. Pl. IV. f. 18.

Lithosia nebulosa. Walker: Journ. Linn. Soc., Lond., vi. p. 106 (1862).
——— xxxi. 228 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **ICTA**. Walker: iv. 922 (1855).

588. Icta fulviceps.

Icta fulviceps. Walker: iv. 922 (1855).

Type. New Holland, in B. M.

a. Hurst River, Australia.

GENUS **TIGRIOIDES**. Butler: Trans. Ent. Soc., Lond., 1877, p. 359.

589. Tigrioides alterna.

Setina alterna. Walker: ii. 520 (1854).
Tigrioides alterna. Butler: Trans. Ent. Soc., Lond., 1877, p. 359.
——————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 697.

Type. New Holland, in B. M.

a. Moreton Bay.

590. Tigrioides furcifera.

Setina furcifera. Walker: ii. 520 (1854).
Tigrioides furcifera. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 698.
Setina trifurcata. Walker: xxxi. 237 (1864).

Type. Van Diemen's Land, in B. M.

Type (*trifurcata*). Tasmania, in B. M.

a. New Holland (2). b. Van Diemen's Land (2) (Burchill coll.).

GENUS **COMARCHIS**. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 739.

591. Comarchis aspectalella.

Œchophora aspectalella. Walker: xxix. 679 (1864).
Pallene aspectalella. Butler: Trans. Ent. Soc., Lond., 1877, p. 334.
Comarchis aspectalella. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 745.
Tinea œchophorella. Walker: xxxv. 1813 (1866).

Type. Sydney, in B. M.

Type (*œchophorella*). Sydney, in B. M.

a. New South Wales.

592. Comarchis sparsana.

Conchylis (?) *sparsana*. Walker: xxviii. 369 (1863).
Pallene gracilis. Butler: Trans. Ent. Soc., Lond., 1877, p. 376.

Type. Moreton Bay, in B. M.

Type (*gracilis*). Sydney, in B. M.

a. Van Diemen's Land.

GENUS **CASTABALA**. Walker: xxxi. 270 (1864).

593. Castabala roseata.

Castabala roseata. Walker: xxxi. 271 (1864).

Castabala roseata. Butler: Trans. Ent. Soc., Lond., 1877, p. 366.
——————— Ill. Typ. Lep. Het., B. M., v. p. 40, pl. 87, f. 1 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 115. 729 (1887).

Type. India, in B. M.
a. India.

Genus **CAMPTOLOMA.** Felder: Reise Nov. Lep., pl. 93, f. 7 (1868).

594. Camptoloma interiorata.

Numenes interiorata. Walker: xxxi. 290 (1864).
Camptoloma interiorata. Leech: P. Z. S., Lond., 1888, p. 615.
Camptoloma erythropygum. Felder: Reise Nov. Lep., pl. 93, f. 7 (1868).

Type. Para (?), in B. M.
a. Japan.

Genus **MOSODA.** Walker: xxxv. 1899 (1866).

595. Mosoda anartioides.

Mosoda anartoides. Walker: xxxv. 1900 (1866).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 364.
——————— Rosenstock: Ann. Mag. N. H. (5), xvi. p. 381 (1885).
——————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 728.

Type. Australia, in B. M.
a. New South Wales.

Genus **TERMESSA.** Walker: vii. 1689 (1856).
Clisobara. Walker: xxxi. 269 (1864).

596. Termessa læta.

Termessa læta. Walker: vii. 1689 (1856).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 334.
——————— Rosenstock: Ann. Mag. N. H. (5), xvi. p. 381 (1885).
——————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 712.

Type. Sydney, in B. M.
a. Australia.

597. Termessa catocalina.

Clisobara catocalina. Walker: xxxi. 269 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
Termessa catocalina. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 711.

Type. Moreton Bay, in B. M.
a. Australia.

598. Termessa shepherdi.

Termessa shepherdi. Newman: Trans. Ent. Soc., Lond., 1856, p. 285, pl. 18, f. 11.
——————— Walker: vii. 1786 (1856).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 334.
——————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 711.

a. Queensland.

599. Termessa hamula.

Termessa hamula. Felder: Reise Nov. Lep., iv. pl. 106, f. 5 (1868).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 334.

a. New South Wales.

600. Termessa congrua.

Termessa congrua. Walker: xxxi. 265 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 334.
——————— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 713.

Type. Moreton Bay, in B. M.

a. New South Wales. b. Moreton Bay.

The N. S. W. example is not quite typical.

601. Termessa gratiosa.

Eutane gratiosa. Walker: xxxi. 239 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 334.
Termessa gratiosa. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 712.

Type. Australia, in B. M.

a. New South Wales.

GENUS **CASTULO.** Walker: ii. 561 (1854).

602. Castulo plagiata.

Castulo plagiata. Walker: ii. 562 (1854).

Type. Van Diemen's Land, in B. M.

a. Van Diemen's Land (4). b. New Holland (4).

GENUS **CLUACA.** Walker: xxxi. 268 (1864).

603. Cluaca rubricosta.

Cluaca rubricosta. Walker: xxxi. 268 (1864).

Type. Tasmania, in B. M.

a. New Holland.

GENUS **SIDYMA.** Walker: vii. 1686 (1855).

604. Sidyma albifinis.

Sidyma albifinis. Walker: vii. 1686 (1855).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 360.
——————— Moore: P. Z. S., Lond., 1878, p. 9.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 94. 561 (1887).

a. India (type). b. India.

GENUS **NEPITA.** Moore: Cat. Lep., E. I. C., ii. p. 302 (1859).

605. Nepita anila.

Nepita anila. Moore: Cat. Lep. E. I. C., ii. p. 302 (1859).
——————— Walker: xxxi. 240 (1864).
——————— Butler: Trans. Ent. Soc., Lond., 1877, p. 335.

Nepita anila. Swinhoe: P. Z. S., Lond., 1885, p. 293.
———— Cotes and Swinh.: Cat. Moths of India, ii. 105. 643 (1887).
Pitane lydia, var. Walker (nec Don.): ii. 532 (1854).

Type. Dukhun, in B. M.
a. Central India (2) (Hearsay). b. India (4). c. Nilgiri Hills. d. Bombay (2). e. Bengal.

606. Nepita conferta.

Pitane conferta. Walker: ii. 533 (1854).
Nepita conferta. Walker: xxxi. 240 (1864).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 336.
———— Moore: Lep. Ceyl., ii. p. 66, pl. 104, f. 7 *a, b, c, d* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 105. 644 (1887).
Nepita signata. Walker: xxxi. 240 (1864).

Type. Ceylon, in B. M.
Type (*signata*). Ceylon, in B. M.
a. Ceylon (6).

Genus **ASURA.** Walker: ii. 484 (1854).
Pitane. Walker: ii. 531 (1854).

607. Asura cervicalis.

Asura cervicalis. Walker: ii. 484 (1854).
———— Butler: Trans. Ent. Soc., Lond., 1877, p. 335.
———— Rosenstock: Ann. Mag. N. H. (5), xvi. p. 381 (1885).
———— Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 748.

Type. New Holland, in B. M.
a. Van Diemen's Land. b. East Australia (2).

608. Asura lydia.

Lithosia lydia. Don.: Epit. Ins. New Holl., pl. 40, f. 1 (1805).
———— Boisd.: Voy. de l'Astrolabe, i. Lep., p. 211 (1832).
Pitane lydia. Walker: ii. 532 (1854).
Eutane lydia. Rosenstock: Ann. Mag. N. H. (5), xvi. p. 381 (1885).
Asura lydia. Meyrick: Proc. Linn. Soc., N. S. W., 1886, p. 747.
Asura gaudens. Walker: ii. 485 (1854).

Type (*gaudens*). Without locality, in B. M.
a. Sydney. b. New South Wales (3). c. East Australia.

Sub-Family. NOLINÆ.

Genus **PISARA.** Walker: Journ. Linn. Soc., Lond., vi. p. 117 (1862). **Celama.** Walker: xxxii. 500 (1865).

609. Pisara opalina. Pl. IV. f. 14.

Pisara opalina. Walker: Journ. Linn. Soc., Lond., vi. p. 118 (1862).
———— xxxi. 244 (1864).

a. Sarawak, Borneo (type) (Wallace).

610. Pisara acontioides. Pl. iv. f. 19.

Pisara acontioides. Walker: Journ. Linn. Soc., Lond., vi. p. 118 (1862).
——————————— xxxi. 244 (1864).

a. Sarawak, Borneo (type) (Wallace).

611. Pisara bifascialis.

Pisara bifascialis. Walker: xxxi. 244 (1864).

a. Sarawak, Borneo (type) (Wallace).

612. Pisara lucidalis. Pl. iv. f. 12.

Pisara lucidalis. Walker: xxxi. 245 (1864).

a. Sarawak, Borneo (type) (Wallace).

613. Pisara liparisalis.

Celama liparisalis. Walker: xxxii. 500 (1865).

a. Sarawak, Borneo (type) (Wallace).

Genus **ETANNA.** Walker: Journ. Linn. Soc., Lond., vi. p. 118 (1862).

614. Etanna basalis.

Etanna basalis. Walker: Journ. Linn. Soc., Lond., vi. p. 119 (1862).
——————————— xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace).

615. Etanna erastioides.

Etanna erastioides. Walker: Journ. Linn. Soc., Lond., vi. p. 119 (1862).
——————————— xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace).

616. Etanna florida. Pl. iv. f. 13.

Etanna florida. Walker: Journ. Linn. Soc., Lond., vi. p. 119 (1862).
——————————— xxxi. 248 (1864).

a. Sarawak, Borneo (type) (Wallace).

Genus **SELCA.** Walker: xxxiv. 1218 (1865).
Callinola. Butler: Ill. Typ. Lep. Het., B. M., vii. p. 33 (1889).

617. Selca latifascialis.

Selca latifascialis. Walker: xxxiv. 1219 (1865).

a. Sarawak, Borneo (type) (Wallace).

618. Selca cuneifera. Pl. iv. f. 22.

Melia cuneifera. Walker: xxxii. 338 (1865).

a. Sarawak, Borneo (type) (Wallace).

619. Selca distributa.

Lyclene distributa. Walker: Journ. Linn. Soc., Lond., vi. p. 113 (1862).
———————— xxxi. 247 (1865).

Type. Sarawak, Borneo, in B. M.
a. Sarawak (Wallace).

620. Selca obscura: n. sp.

♂ Of a uniform obscure greyish colour above and below, antennæ with brown branches. Fore-wings sparsely irrorated with dark brown atoms, a brown thin band on the costa on half its length from the base, and some obscure transverse brown lines mostly in outward curves, a short one from the costa near the base and three rather close together in the middle, crossing the wing in dislocated outward curves, a spot in the middle line at the end of the cell, another in the first complete line within the cell, and a spot between them. Hind-wings without markings, as is also the underside except for a spot at the end of the cell in the hind-wings, body below whitish, legs brown above, whitish beneath.

Expanse of wings $\frac{9}{10}$ inch.
a. Queensland (type).

Sub-Family. NYCTEOLINÆ.

Genus **EARIAS.** Hübner: Verz. Schm., p. 395 (1816).
Aphusia. Walker: xxii. 769 (1857).
Digba. Walker: xxxiii. 774 (1865).

621. Earias insulana.

Tortrix insulana. Boisd.: Faune Ent. Madag., p. 121, pl. 16, f. 9 (1833).
Cleophora insula. Boisd.: Guén. Notes, Bourbon, Maillard, ii. G, p. 39 (1833).
Earias insulana. Rogenhofer: Verh. Zool. Bot. Ges. Wien, xx. p. 869 (1870).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 85. 500 (1887).
Earias smaragdinana. Zeller (nec Walker): Lep. Mic. Wahlb. Caffr., p. 79 (1852).
Earias frondosana. Walker: xxvii. 204 (except var. B) (1863).
———————— Swinhoe: P. Z. S., Lond., 1884, p. 528.
———————— P. Z. S., Lond., 1885, p. 880.
———————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 14, pl. 105, f. 1 (1886).
———————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 74 (1891).
Earias simillima. Walker: xxxv. p. 1775 (1866).
———————— Swinhoe: P. Z. S., Lond., 1885, p. 880.
Earias siliquana. Stainton: Trans. Ent. Soc., Lond., (iii.) v. p. 89 (1865-67).
Earias gossypii. Frauenfeld: Verh. Zool. Bot. Ges. Wien, xvii. p. 791 (1867).

Earias gossypii. Frauenfeld : *loc. cit.*, xviii. p. 417 (1868).
Earias tristrigosa. Butler: P. Z. S., Lond., 1881, p. 614, and 1883, p. 157.
——————— Swinhoe: P. Z. S., Lond., 1884, p. 528, and 1885, p. 881.
——————— Cotes and Swinh: Cat. Moths of India, ii. 86. 503 (1887).

Type (*frondosana*). Cape (?), in B. M.
a. India (4) (Hearsay). b. Bombay.

The type specimen of *simillima* from Siam which Walker notes as in coll. Saunders is not now in this Museum.

622. Earias uninotata.

Digba uninotata. Walker: Journ. Linn. Soc., Lond., vi. p. 198 (1862).
——————— xxxiii. 774 (1865).
Earias annulifera. Walker: xxxv. 1774 (1866).
Earias sulphuraria. Moore: Lep. Ceylon, iii. p. 490, pl. 208, f. 10 (1887).
——————— Cotes and Swinh.: Cat. Moths of India, vi. Addenda, 731. 502 A (1889).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 70 (1891).

Type (*annulifera*). Java, in B. M.
Type (*sulphuraria*). Ceylon, in coll. Moore.
a. Sarawak, Borneo (type) (Wallace).

623. Earias chromataria.

Earias chromataria. Walker: xxvii. 204 (1863).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 880.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 85. 499 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 71 (1891).
Earias fervida. Walker: xxxv. 1774 (1866).
Earias limbana. Snellen: Tijd. voor Ent., xxii. p. 97, pl. 8, f. 2 (1879).

Type. Ceylon, in B. M.
a. India.

The type specimen of *fervida* from Sula is missing.

624. Earias fabia.

Earias fabia. Stoll. Cram.: Pap. Exot., iv. pl. 355 (1782).
Aphusia speiplena. Walker: xii. 770 (1857).
Earias speiplena. Cotes and Swinh.: Cat. Moths of India, ii. 85. 502 (1887).
Earias hügeli. Rogenhofer: Verh. Zool. Bot. Ges. Wien, xx. p. 872 (1870)
——————— Cotes and Swinh.: Cat. Moths of India, ii. 85. 501 (1887).
Micra partita. Walker: xxxiii. 799 (1865).

Type. Punjaub, India, in B. M.
Type (*partita*). Java, in B. M.
a. India (2).

Family. **CALLIDULIDÆ.**

Genus **PTERODECTA.** Butler: Ann. Mag. N. H., 1877, p. 399.

625. Pterodecta anchora.

Callidula anchora. Moore M. S. Cotes and Swinh.: Cat. Moths of India, ii. 82. 480 (1887).
Pterodecta anchora. Moore M. S. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 238.
——— Moore: P. Z. S., Lond., 1888, p. 392.
——— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 5 (1889).

Type. Dharmsala, in B. M.
a. North India (2).

Genus **CLEOSIRIS.** Boisd.: Sp. Gen. Lep. i. pl. 23, f. 3 (1836).

626. Cleosiris catamita.

Tetragonus catamita. Hübner: Geyr. Zutr. Exot. Schm., pt. 4, p. 17, figs. 653, 654 (1832).
Cleosiris catamita. Boisd.: Sp. Gen. Lep., i. pl. 23, f. 3 (1836).
——— Double: Westw. Gen. Diurn. Lep., ii. p. 504, pl. 77, f. 9 (1850–52).
——— Moore: Cat. Lep. E. I. C., ii. p. 290 (1859).
——— Walker: xxxi. 59 (1864).
——— Moore: P. Z. S., Lond., 1877, p. 599.
——— Snellen: Tijd. voor Ent., xxii. p. 67, pl. 6, figs. 1, 1 *a*, *b*, *c* (1879).
——— Moore: Lep. Ceylon, ii. p. 50, pl. 99, f. 4, 4 *a* (1882).
——— P. Z. S., Lond., 1885, p. 796.
——— Cotes and Swinh.: Cat. Moths of India, ii. 82. 482 (1887).
——— Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 239.

a. Ceylon (2) (Thwaites). b. Singapore (Wallace). c. Bouru (Wallace). d. Sumatra (Wallace). e. Celebes (2) (Wallace).

627. Cleosiris major.

Cleosiris major. Moore: P. Z. S., Lond., 1883, p. 15.
——— Cotes and Swinh.: Cat. Moths of India, ii. 82. 483 (1887).

Type. North India, in coll. Moore.
a. India (2).

Genus **AGONYS.** Felder: Reise Nov. Lep., p. 107 (1868).

628. Agonis lycœnoides.

Agonis lycœnoides. Felder: Reise Nov. Lep., pl. 107, f. 21 (1868).
——— Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 240.

a. Borneo (Wallace).

629. Agonis lutensis: n. sp.

♂ ♀ Above of a uniform brownish red colour, costal margins of both wings pale. Underside pale reddish ochreous. Fore-wings with brown marks on the costa, two small white spots in the cell ringed with brown in a line with a double white spot at the end of the cell like a figure of 8 also ringed with brown. Hind-wings with similar cell spots, the inner one absent; both wings crossed by zigzag brown lines outwardly curved, one just beyond the middle, the other discal, and indications of two more interior lines and a submarginal line; hinder marginal space of fore-wing pale, both wings with the marginal line dark brown, nearly black, cilia of the wing colour but patched with blackish brown, legs brown above.

Expanse of wings $1\frac{1}{10}$ inches.

a. Ternate (type) (Wallace). b. Ternate (Wallace). c. Ceram (Wallace).

Allied to *A.* (Callidula) *similis* (Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 234, pl. 2, f. 16), from the Philippines.

GENUS **CALLIDULA**. Hübn.: Verz. Schm., p. 66 (1816).

630. Callidula jucunda.

Callidula jucunda. Felder: Reise Nov. Lep., pl. 107, f. 25 (1868).
——————— Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 234.

a. Java (2) (Wallace).

631. Callidula erycinoides.

Callidula erycinoides. Walker: Char. Undescr. Lep. Het., p. 3 (1869).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 82. 481 (1887).

Type. Benares, in B. M.

a. North India (2).

GENUS **CLEIS**. Guérin: Voy. Duperrey, p. 272 (1832).

Damias. Boisd.: (nom. preoc.) Voy. de l'Astrolabe, p. 259 (1832).

632. Cleis versicolor.

Cleis versicolor. Felder: Reise Nov. Lep., pl. 107, f. 24 (1868).
——————— Butler: Ann. Mag. N. H. (4), xix. p. 395 (1877).
Damias versicolor. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 225.

a. Salwan (2) (Wallace). b. Dorey (Wallace).

633. Cleis abisara.

Callidula abisara. Butler: Trans. Linn. Soc. (2), i. p. 558 (1879).

Type. Malacca, in B. M.

a. Borneo. b. Philippines.

634. Cleis sakuni.

Petavia sakuni. Horsf.: Cat. Lep. E. I. C., pl. 2, f. 1, 1*a* (1829).

Type. Java, in B. M.

a. Sumatra (Wallace). b. Java (Wallace).

635. Cleis dichroa.

Damias dichroa. Boisd.: Voy. de l'Astrolabe, pt. 1, Lep. 260 (1832).
——————— Walker: i. 15 (1854).
——————— Butler: Ann. Mag. N. H. (4), xix. p. 394 (1877).
——————— Pagenstecher: Het. Aru etc. in Jahrb. Nass. Ver. f. Naturk., 1886, p. 115.

a. Salawan (Wallace). b. Mysol (Wallace).

636. Cleis evander.

Papilio evander. Cramer: Pap. Exot., iv. pl. 331, f. F, G (1781).
Callidula evander. Hübner: Verz. Schm., 66. 637 (1816).
——————— Walker: xxxi. 60 (1864).
Damias evander. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 220.
Cleis evander. Butler: Ann. Mag. N. H. (4), xix. p. 394 (1877).

a. Ceram (Wallace). b. Sula (Wallace).

637. Cleis propinqua.

Cleis propinqua. Butler: Ann. Mag. N. H. (4), xix. p. 394 (1877).
Damias propinqua. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 222, pl. 1, f. 2.
Damias dichroa. Pag. (nec Boisd.): *l. c.*, 1887, p. 225, pl. 1, f. 7, 8.

Type. Ternate, in B. M.

a. Waigau (Wallace). b. Amboina (2) (Wallace). c. Aru (Wallace). d. Ceram (3) (Wallace). e. Celebes. f. Ternate (Wallace).

638. Cleis erycinoides.

Cleis erycinoides. Felder: Reise Nov. Lep., pl. 107, f. 23 (1868).
——————— Butler: Ann. Mag. N. H. (4), xix. p. 395 (1877).
Damias erycinoides. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 227.

a. Batchian (Wallace). b. Ternate (Wallace). c. Gilolo (Wallace).

639. Cleis arnana.

Cleis arnana. Butler: Ann. Mag. N. H. (4), xix. p. 395 (1877).
Damias arnana. Pagenstecher: Het. Aru etc. in Jahrb. Nass. Ver. f. Naturk., 1886, p. 115.
——————— Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 226, pl. 1, f. 9.

Type. Aru, in B. M.

a. Aru (2) (Wallace).

640. Cleis fasciata.

Cleis fasciata. Butler: Ann. Mag. N. H. (4), xix. p. 395 (1877).

Damias fasciata. Pagenstecher: Het. Aru etc. in Jahrb. Nass. Ver. f. Naturk., 1886, p. 116.
——————— Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 225.

Type. Ternate, in B. M.
a. Gilolo (Wallace).

641. Cleis arctata.

Cleis arctata. Butler: Ann. Mag. N. H. (4), xix. p. 395 (1877).
Damias arctata. Pagenstecher: Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 225, pl. 1, f. 6.

Type. Ké, in B. M.
a. Ké (Wallace). b. Ternate (Wallace).

642. Cleis sobah.

Damias sobah. Pagenstecher: Het. Aru etc. in Jahrb. Nass. Ver. f. Naturk., 1886, p. 116.
——————— Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 228.

a. New Guinea (Wallace). b. Dorey (Wallace). c. Bouru (Wallace).

GENUS **TYNDARIS.** Felder: Wien. Ent. Mon., iv. p. 249 (1860).

643. Tyndaris erycinata.

Callidula erycinata. Walker: xxxi. 60 (1864).
Tyndaris lætifica. ♂ Felder: Wien. Ent. Mon., iv. p. 250 (1860).
——————— Reise Nov. Lep., pl. 107, f. 18, 19, 20 (1868).
——————— Pagenstecher: Het. Aru etc., in Jahrb. Nass. Ver. f. Naturk., 1886, p. 117.
——————— Callid. in Jahrb. Nass. Ver. f. Naturk., 1887, p. 241.

Type. Dorey, in B. M.
a. Aru (4) (Wallace). b. Mysol (3) (Wallace). c. Salwan (2) (Wallace). d. Dorey (4) (Wallace). e. Waigau.

FAMILY. **NYCTEMERIDÆ.**

GENUS **PITASILA.** Moore: P. Z. S., Lond., 1877, p. 599.

644. Pitasila guttulosa.

Nyctemera guttulosa. Walker: xxxi. 201 (1864).
Nyctemera abraxata. Snellen: Tijd. voor Ent., 1879, p. 73.

Type. Celebes, in B. M.
a. Makessar, Celebes (2) (Wallace).

645. Pitasila varians.

Nyctemera varians. Walker : ii. 400 (1854).
——————————— vii. 1663 (1856).
——————————— Moore : Cat. Lep. E. I. C., ii. p. 332 (1859).
Pitasila varians. Butler : Ill. Typ. Lep. Het., B. M., v. p. 46, pl. 88, f. 4 (1881).
——————————— Moore : Journ. As. Soc. Beng., liii. (2) 3, p. 234 (1884).
——————————— Cotes and Swinh. : Cat. Moths of India, ii. 80. 469 (1887).
——————————— Swinhoe : Trans. Ent. Soc., Lond., 1890, p. 179.

Type. Maulmein, in B. M.
a. India (2). b. Sylhet.

646. Pitasila specularis.

Nyctemera specularis. Walker : vii. 1665 (1856).

Type. Ceram, in B. M.
a. Ceram (Wallace). b. Ceram (Ida Pfeiffer).

647. Pitasila bijunctella.

Nyctemera bijunctella. Walker : xxxv. 1880 (1866).
——————————— Stretch : Cist. Ent., ii. p. 18 (1875).
Leptosoma maculosum. Felder (nec Walker) : Reise Nov. Lep., pl. 103, f. 2 (1869).

Type. Philippines, in B. M.
a. Philippines.

648. Pitasila abraxoides.

Nyctemera abraxoides. Walker : Journ. Linn. Soc., Lond., vi. 93 (1862).
——————————— xxxi. 197 (1864).

Type. Borneo, in B. M.
a. Borneo.

649. Pitasila inconstans.

Pitasila inconstans. Butler : P. Z. S., Lond., 1880, p. 672.

Type. Formosa, in B. M.
a. Manilla.

Genus **ATASCA.** Gen. Nov.

Differs from the genus *Pitasila* in having the antennæ in the male ciliated and in the female simple ; in *Pitasila* the antennæ are pectinated in both sexes.

650. Atasca pellex.

Phalæna (Noctua) pellex. Linn. : Mus. Lud. Ulr., 388 (1764).
——————————— Syst. Nat., xii. ii. 838. 104 (1767).
——————————— Gmel. : ed. Syst. Nat., i. 5. 2550. 104 (1788).
Leptosoma pellex. Aurivillius : Sv. Ak. Handl., xix. 5, p. 161, pl. 1, f. 5 (1882).
Leptosoma artemis. Boisd. : Voy. de l'Astrolabe, i. Lep., p. 199 (1832).
Nyctemera artemis. Walker : ii. 394 (1854).
Nyctemera separata. Walker : xxxi. 204 (1864).

a. Gilolo (type *separata*) (Wallace). b. Amboina (Ida Pfeiffer).
c. Bachian (Wallace). d. Dorey (Wallace). e. Aru (Wallace).
f. Waigau (Wallace). g. Ceram (Wallace).

651. Atasca simplex. Pl. v. f. 13.

Nyctemera simplex. Walker: xxxi. 207 (1864).

a. New Guinea (type) (Wallace).

652. Atasca quadriplaga. Pl. v. f. 9.

Nyctemera quadriplaga. Walker: xxxi. 207 (1864).

a. New Guinea (type) (Wallace).

GENUS **ZONOSOMA.** Butler: Ill. Typ. Lep. Het., B. M., v. p. 44 (1881).

653. Zonosoma cenis.

Phalæna cenis. Cramer: Pap. Exot., ii. pl. 147, f. E (1777).
Nyctemera cenis. Moore: Cat. Lep. E. I. C., ii. p. 332 (1859).
——— Cotes and Swinh.: Cat. Moths of India, ii. 78. 461 (1887).
Nyctemera interlectum. Walker: ii. 400 (1854).
Zonosoma interlectum. Butler: Ill. Typ. Lep. Het., B. M., v. p. 45, pl. 88, f. 2 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 81. 473 (1887).

Type (*interlectum*). Sylhet, in B. M.
a. Sylhet. b. India (2).

GENUS **TRYPHEROMERA.** Butler: Ill. Typ. Lep. Het., B. M., v. p. 45 (1881).

654. Tripheromera plagifera.

Nyctemera plagifera. Walker: ii. 400 (1854).
Trypheromera plagifera. Butler: Ill. Typ. Lep. Het., B. M., v. p. 45, pl. 88, f. 3 (1881).
——— Moore: Journ. As. Soc. Beng., liii. (2) 3, p. 234 (1884).
——— Cotes and Swinh.: Cat. Moths of India, ii. 80. 471 (1887).

Type. Sylhet in B. M.
a. Koorg. b. China. c. India. d. Amoy.

GENUS **NYCTEMERA.** Hübn.: Verz. Schm., p. 178 (1816).

655. Nyctemera coleta.

Phalæna coleta. Cramer: Pap. Exot., iv. pl. 368, f. H (1781).
Nyctemera coleta. Hübner: Verz. Schm., p. 178 (1816).
——— Walker: ii. 399 (1854).
——— Moore: Journ. As. Soc. Beng., lv. (2) 1, p. 97 (1886).
——— Haase: C. B. Iris, i. p. 323 (1888) (scent-organs).
——— Cotes and Swinh.: Cat. Moths of India, ii. 78. 462 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 178.

a. Java (3) (Wallace). b. Java (4). c. Malacca (Wallace).
d. Goram Island (Wallace). e. Salwatti Island (Wallace).
f. New Guinea (Wallace). g. Dorey (Wallace). h. Sarawak, Borneo (Wallace). i. Sumatra (Wallace). j. Manilla (2).
k. Assam (Jenkins).

656. **Nyctemera nigrovenosa.**

Nyctemera nigrovenosa. Moore: P. Z. S., Lond., 1879, p. 394.
——— Lep. Ceylon, ii. p. 48, pl. 98, f. 4, 4 *a* (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 79. 465 (1887).

Type. Ceylon, in coll. Moore.
a. Ceylon (2) (Thwaites).

Genus **LEPTOSOMA.** Boisd.: Voy. de l'Astrolabe, i. p. 197 (1832).

657. **Leptosoma mundipicta.** Pl. v. f. 14.

Nyctemera mundipicta. Walker: Journ. Linn. Soc., Lond., iii. p. 184 (1859).
——— xxxi. 197 (1864).
Nyctemera herklotsii. Voll.: Tijd. voor Dierkunde, i. p. 39 (1863).
Nyctemera integra. Walker: xxxv. 1879 (1866).
Leptosoma baulus. Boisd.: Voy. de l'Astrolabe, i. Lep. 200. 5 (1832).
——— Walker: ii. 394 (1854).

Type (*integra*). Philippines, in B. M.
a. Singapore (type) (Wallace). b. Ceram (2) (Wallace). c. Amboina (Wallace). d. Sarawak, Borneo (Wallace). e. Gilolo (Wallace). f. Flores (Wallace). g. New Guinea (Wallace). h. Mysol (Wallace). i. New Caledonia (Wallace). j. Anerty Island (Wallace). k. Batchian (Wallace). l. Morty (Wallace). m. Morty (3) (Mus. Leyden). n. Philippines (2). o. Ceram (Ida Pfeiffer). p. Java.

658. **Leptosoma lacticinia.**

Phalæna (Geometra) lacticinia. Cram.: Pap. Exot., ii. pl. 128, f. E (1777).
Nyctemera lacticinia. Hübner: Verz. Schm., p. 178 (1816).
——— Walker: ii. 395 (1854).
——— Moore: Cat. Lep. E. I. C., ii. p. 321, pl. 14, f. 10, 10 *a* (1859).
——— Butler: P. Z. S., Lond., 1881, p. 614.
——— Moore: Lep. Ceylon, ii. p. 47, pl. 99, f. 1, 1 *a*, (1882).
——— Swinhoe: P. Z. S., Lond., 1885, p. 292.
——— Butler: Ann. Mag. N. H. (5), xviii. p. 190 (1886).
——— Cotes and Swinh.: Cat. Moths of India, ii. 79. 463 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 178.

a. Koorj. b. Kanara. c. Nilgiri Hills. d. Ceylon (4).

659. **Leptosoma tripunctaria.**

Phalæna tripunctaria. Linn.: Mus. Lud. Ulr., 392 (1764).
——— Syst. Nat. (12) 2, 864. 226 (1767).
——— Cramer: Pap. Exot., i. p. 34, pl. 22, f. E (1775).
——— Fabr.: Sp. Ins., ii. 249. 42 (1781).
——— Mant. Ins., ii. 191. 62 (1787).
——— Gmel.: ed. Syst. Nat., i. 5. 2469. 226 (1788).
——— Walker: ii. 397 (1854).

Nyctemera atralba. Hübner: Verz. Schm., 178. 1846 (1816).

a. Singapore (Horsley). b. Mount Ophir, Malay Peninsula (Wallace). c. Malacca (Wallace).

660. Leptosoma celsum.

Nyctemera celsa. Walker: xxxi. 199 (1864).

a. Cambodia (type) (Mouhot). b. Amoy, China.

661. Leptosoma latistriga.

Nyctemera latistriga. Walker: ii. 397 (1854).
——————— Moore: Cat. Lep. E. I. C., ii. p. 331 (1859).
——————— Lep. Ceylon, ii. p. 48, pl. 99, f. 2 (1882).
——————— Journ. Linn. Soc., Lond., xxi. p. 54 (1886).
Leptosoma latistriga. Butler: Ill. Typ. Lep. Het., B. M., v. p. 44, pl. 88, f. 1 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 80. 472 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 178.
Nyctemera arcuatum. Voll.: Tijd. voor der Dierkunde, i. p. 45 (1863).
Nyctemera inconstans. Voll.: *l. c.*, p. 47.

Type. Maulmein, in B. M.

a. Sarawak, Borneo (2) (Wallace). b. Ceylon. c. Philippines (2). d. Java ( ).

662. Leptosoma radiata. Pl. v. f. 10.

Nyctemera radiata. Walker: vii. 1664 (1856).

a. Manilla (type) (Wallace). b. Philippines.

663. Leptosoma alternatum.

Nyctemera alternata. Walker: xxxi. 1879 (1864).

a. Manilla (type) (Wallace). b. Philippines.

664. Leptosoma sonticum: n. sp.

Allied to *L. radiata* and *L. alternatum.*

Antennæ and eyes black, head yellow with black spots, thorax yellow with black bands, abdomen greyish white with faint thin segmental bands, tip yellow. Fore-wings brown with basal whitish streaks on and between the veins as in the allied forms, the streaks nearly white, faintly tinted with yellow, the streak in the cell broad and in the interno-median interspace very broad, as broad as in *L. latistriga*, and in the male running into the lowest spot (near the hinder angle) of the white discal belt, this belt ranges right across the wing, consists of six spots all broader than in the two preceding species, the second from the top spear-shaped as in *L. radiata*; there is also a very small spot on the outside between the first and second upper spots. Hind-wings with the marginal band with a sinuated inner border narrow and not continued along the costa as in *L. alternatum.*

Expanse of wings $1\frac{9}{16}$ inches.

a. Philippines (♂ ♀ types).

665. Leptosoma absurdum: n. sp.

♂ Allied to preceding. Antennæ and eyes black, head and thorax yellow spotted and banded similarly, abdomen pale slate colour with white thin segmental bands. Fore-wings brown with the basal lines thin and yellowish as in *L. alternatum*, discal white band very broad, and right across the wing, divided by the veins into ten spots, the usual second spot from the costa being divided into three by the discoidal and internal veins, has a white streak touching it on the outer side and another small one above.

Hind-wing with a narrow marginal brown border as in *L. sonticum*, but running up the costa as in *L. alternatum*.

Expanse of wings $1\frac{9}{10}$ inches.

a. Salawatti Island, S. W. of New Guinea (Wallace).

666. Leptosoma simulatrix.

Nyctemera simulatrix. Walker: xxxi. 198 (1864).

a. Makessar, Celebes (type) (Wallace).

667. Leptosoma acceptum: n. sp. Pl. v. f. 5.

♀ Antennæ and eyes black, head and thorax yellow, the former with black spots, the latter with black bands, abdomen dark blackish brown with yellow segmental bands. Fore-wings dark brown, a discal upright white band of six spots from near the costa to near the hinder angle, much as in *L. simulatrix*, but with a broad longitudinal basal band in the interno-median interspace, as in *L. latistriga*, but with no other basal lines or bands. Hind-wings white with a brown uniform border, extending palely up the costal margin, slightly toothed inwards on the veinlets, more so in the first median branch, the border not nearly so broad as in *L. simulatrix*.

Expanse of wings $2\frac{1}{10}$ inches.

a. Mindanao, Celebes (type) (Wallace).

668. Leptosoma kala: n. sp. Pl. v. f. 8.

♀ Antennæ, eyes, vertex of head black, frons yellow on each side, collar yellow with two large brown spots, thorax black with a thin yellow line on each side meeting behind, abdomen dark slate colour with yellow segmental lines. Fore-wings very dark brown, nearly black, no basal lines, discal band broad in the centre consisting of seven spots, 1st a thin sub-costal line, 2nd very minute, in front between 1st and 3rd, 3rd heart-shaped, large, 5th the longest. Hind-wings with black brown band, narrowest in its centre and not running up the abdominal margin.

Expanse of wings 2 inches.

a. Ké Island (type) (Wallace).

669. Leptosoma tritum.

Nyctemera trita. Walker: ii. 394 (1854).

Type. Java, in B. M.

a. Java (Wallace). b. Java (4).

670. Leptosoma confusum: n. sp.

♂ ♀ Antennæ, head, and thorax black, head with some white marks, thorax with some white lines, abdomen grey without markings. Fore-wings brown, basal yellow lines as in the preceding species, and the discal white band at a similar angle, and similarly not extending below the first median branch, but obscure, marked by the veins and nearly obliterated by brown suffusions. Hind-wings with very broad brown borders, palest in the abdominal margin, leaving only a small white centre to the wing, as in *L. tritum*.

Expanse of wings $1\frac{8}{10}$ inches.

a. Java (♂ ♀ types). b. Java.

671. Leptosoma kondekum: n. sp.

♂ ♀ Frons black ringed with white, antennæ, vertex of head, and thorax black, head ringed and thorax striped with yellow, abdomen grey with white segmental lines, tip yellow. Fore-wings brown, basal lines as in preceding but rather deeper, discal white band as in preceding, almost obliterated in the male, very white and clear in the female, and not extending lower than the first median branch, in one female it stops above at the heart-shaped spot in the cell, in another it is joined to the costa by an elongated spot above. Hind-wings white with a somewhat narrow costal and marginal band which is not continued up the abdominal margin and has a slightly sinuous inner border.

Expanse of wings ♂ 2, ♀ $1\frac{8}{10}$ inches.

a. Java (♂ ♀ types). b. Java.

The above two may be forms of one species and seem to be allied to *L. quadriguttatum*, Voll.: Tijd. voor der Dierkunde, i. p. 4 (1863).

672. Leptosoma velans. Pl. v. f. 7.

Nyctemera velans. Walker: xxxi. 200 (1864).

a. Menado, Celebes (type) (Wallace).

673. Leptosoma subvelatum.

Nyctemera subvelata. Walker: xxxi. 200 (1864).

Type. Celebes, in B. M.

a. Makessar, Celebes (2) (Wallace).

674. Leptosoma propium: n. sp. Pl. v. f. 12.

Frons yellow with a brown spot, antennæ black, head and collar yellow with black spots, thorax black with yellow lines, abdomen brown above without markings, white beneath with brown spots at the sides and yellow tip. Both wings of a uniform brown colour, basal lines on fore-wings yellow, the line in the interno-median interspace the thickest, discal band of five streaks well separated, the first costal, the fifth above the first median branch; in the female there

is an indication of a lower streak. Hind-wings slightly paler inwards, with an indication of a white spot at the end of the cell, which is most distinct in the female. Underside, wings of a uniform brown slightly paler than they are above, no basal stripes, the discal stripes in the male all obscure except the two uppermost, the white spot in the hind-wing like a streak in the female, thorax yellow with black spots, legs brown above, white beneath.

Expanse of wings $1\frac{5}{10}$ inches.

a. Manilla, Philippine Islands (♂ ♀ types).

675. Leptosoma distinctum.

Nyctemera distincta. Walker: ii. 392 (1854).

Type. Java, in B. M.

a. Java.

676. Leptosoma ægrotum: n. sp. Pl. v. f. 15.

♀ Frons yellow with a black spot, head, collar, and thorax yellow with black spots, abdomen grey with brown bands, the grey on each segment paling towards the band below it; the spaces becoming somewhat luteous towards the tip, the tip yellow. Fore-wings pale greyish brown with a white transverse band beyond the middle, inclining somewhat inwards above, broken at the 1st median branch with a large spot below it, and two submarginal large spots, 1st sub-apical, the larger, the 2nd about the middle of the margin. Hind-wings white with a brown marginal border, which does not extend into the costal or abdominal margins, and is suddenly narrowed in at the middle of the outer margin, two pale luteous nearly white spots in the band close to the margin; 1st sub-apical, and 2nd about the middle. Underside as above, fore-wings with the space along the hinder margin white, hind-wings with a brown costal streak along basal half, thorax yellow with brown spots, legs brown above, white beneath.

Expanse of wings 2 inches.

a. New South Wales (type).

There are examples of this insect unnamed in the British Museum; it is allied to nothing I know of.

677. Leptosoma plagiatum.

Nyctemera plagiatum. Guén: Ent. Month. Mag., v. p. 2 (1868).

a. Sidney (3). b. Van Diemen's Land (Lewis). c. New Holland (2). d. N. Australia (3). e. King George's Sound. f. New South Wales.

678. Leptosoma annulatum.

Leptosoma annulatum. Boisd.: Voy. de l'Astrolabe, i. p. 197, pl. 5, f. 9 (1832).

Nyctemera annulata. Walker: ii. 391 (1854).

—— —— —— Hudson: Entomologist, xvi. p. 39 (transformations) (1883).

Nyctemera annulata. Meyrick: Ent. Mo. Mag., xxiii. p. 15 (1886).
Secusio annulata. Butler: P. Z. S., Lond., 1877, p. 380.

a. New Zealand (Parry). b. New Zealand (6).

679. Leptosoma instructum.

Nyctemera instructa. Walker: xxxi. 203 (1864).

a. New Guinea (type) (Wallace).

680. Leptosoma luctuosum.

Nyctemera luctuosum. Voll.: Tijd. voor der Dierkunde, i. p. 42 (1863).
Nyctemera crescens. Walker: xxxi. 204 (1864).

a. Morty Island (type *crescens*) (Wallace). b. Bachian (Wallace). c. Sula (Wallace).

681. Leptosoma galbanum: n. sp.

♂ ♀ Antennæ black, frons, head, and collar yellow with black spots, thorax white with black stripes, abdomen white with broad black segmental bands, yellow at the tip. Fore-wings black with a white space at the base, covering half the wing at its basal third and containing two or three black basal streaks, a broad transverse white discal band distorted and toothed outwardly in its middle, a black streak at the hinder angle at the bottom of the white discal band. Hind-wings white, a thin costal and moderately broad marginal black border, not extending into the abdominal margin, and bent in the middle, making that part of the outer margin the narrowest. Underside, wings as above, a short black streak at the base of the costa of hind-wings, body yellow, spotted with black, legs brown above, yellow beneath.

Expanse of wings $1\frac{8}{10}$ inches.

a. Philippine Islands (♂ ♀ types).

Allied to the preceding, has the same bright white colour, but in the preceding the fore-wing is black with white basal and discal markings, whereas in this insect, though somewhat similarly marked, the white is so extensive as to make the wing look white with black bands.

Genus **DEILEMERA.** Hübner: Verz. Schm., p. 178 (1816).

682. Deilemera evergista.

Phalæna (Geometra) evergista. Cramer: Pap. Exot., iv. 155, pl. 369, f. E (1781).
Deilemera evergista. Hübner: Verz. Schm., 179. 1848 (1816).
Nyctemera evergista. Walker: ii. 393 (1854).
Nyctemera mutabilis. Walker (part): xxxi. 206 (1864).

a. Amboina (original type of *mutabilis*) (Wallace). b. Ceram (type *mutabilis var.* β) (Wallace).

683. Deilemera mutabilis.

Nyctemera mutabilis var. γ. Walker: xxxi. 206 (1864).

Type. Ternate, in B. M.

a. Ternate (Wallace).

As Walker's type of *mutabilis* from Amboina and his *var.* β from Ceram are identical with Cramer's *evergista*, his type γ from Ternate in the B. M. (which appears to be distinct from the other two) becomes the type of *mutabilis*.

684. Deilemera intercisa.

Nyctemera intercisa. Walker: xxxi. 205 (1864).

a. Amboina (type) (Wallace).

This may be ♀ of the preceding.

685. Deilemera arctata.

Nyctemera arctata. Walker: vii. 1664 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 78. 460 (1887).
Nyctemera maculosa. Walker: xxxi. 198 (1864).

Type (*maculosa*). India, in coll. Stoudinger.

a. Cherra Poonjee (type).

686. Deilemera contracta.

Nyctemera contracta. Walker: xxxi. 208 (1864).

a. Mysol (type) (Wallace).

Genus **CUROBA.** Walker: xxxi. 272 (1864).

687. Curoba sangarida.

Phalæna (*Noctua*) *sangarida.* Cramer: Pap. Exot., iv. pl. 381, f. D (1781).
Eucharia sangarida. Hübner: Verz. Schm., p. 181 (1816).
Alope sangarida. Walker: iii. 620 (1855).
Curoba sangarida. Moore: Lep. Ceylon, ii. p. 49, pl. 99, f. 3, 3 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 81. 478 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 69 (1891).
Phalæna (*Noctua*) *mopsa.* Drury: Exot. Ins., iii. p. 4, pl. 3, f. 3 (1782).
Callimorpha mopsa. Westwood: ed. Drury, iii. p. 4, pl. 3, f. 3 (1837).
Alope mopsa. Walker: iii. 621 (1855).
Curoba fasciata. Walker: xxxi. 272 (1864).

Type (*fasciata*). Without locality, in B. M.

a. Koorg (2).

Genus **PTEROTHYSANUS.** Walker: ii. 401 (1854).

688. Pterothysanus laticilia.

Pterothysanus laticilia. Walker: ii. 401 (1854).

Pterothysanus laticilia. Moore: Cat. Lep. E. I. C., ii. p. 333, pl. 8*a*, f. 8 (1859).
———— Butler: Ill. Typ. Lep. Het., B. M., i. p. 56, pl. 14, f. 2 (1877).
———— Ann. Mag. N. H. (5), xvi. p. 345 (1885).

Type. Sylhet, in B. M.
a. India. **b.** Assam (Jenkins). **c.** India (2) (Ashmol. Mus.).

689. Pterothysanus noblei.

Pterothysanus noblei. Swinhoe: P. Z. S., Lond., 1889, p. 401, pl. 44, f. 3.
———— Trans. Ent. Soc., 1890, p. 179.

Type. Prome, Burma, in B. M.
a. Burmah.

Family **URANIIDÆ.**

Genus **ALCIDIS.** Hübner: Samml. Exot. Schm., i. (1816).

690. Alcidis orontes.

Papilio orontes. Linn.: Amœn. Acad., vi. 51 (1763).
———— Syst. Nat., ii. 750. 27 (1767).
———— Clerck: Icon., pl. 26, f. 1 (1764).
———— Seba.: Mus., iv. pl. 16, f. 1, 2, pl. 47, f. 7, 8 (1765).
———— Cramer: Pap. Exot., i. pl. 83, f. A, B (1775).
———— Fabr.: Sp. Ins., ii. 20. 80 (1781).
———— Mant. Ins., ii. 10. 91 (1787).
———— Ent. Syst., iii. 69. 214 (1793).
———— Herbst: Pap., pl. 47, f. 1, 2 (1796).
———— Esper.: Pap. Exot., pl. 30, f. 1, 2 (1785–98).
Nyctalemon orontes. Chenu.: Enc. d'Hist. Nat. Pap., 231, f. 396 (1855–58).
Urania orontes. Lamarck: Hist. Anim. Invert., iv. 19. 3 (1815–22).
———— God.: Enc. Méth., ix. 710. 4 (1809).
———— Boisd.: Voy. de l'Astrolabe, i. Lep., p. 253 (1832).
———— Feisthamel: Voy. de la Fav., v. Suppl., 29 (1839).
Alcidis orontiaria. Hübner: Samml. Exot. Schm., i. Lep. v., Geom. i., Amplæ iv., Lares B, Heroici 3, f. 3, 4 (1816).
———— Verz. Schm., 289. 2810 (1816).
Alcidis orontes. Butler: Ann. Mag. N. H., 1884, p. 201.

a. Amboina (Wallace). **b.** Ceram (Wallace).

691. Alcidis liris.

Alcidis liris. Felder: Wien. Ent. Mon., iv. 250 (1860).
———— Reise Nov. Lep., pl. 121, f. 2 (1869).
Nyctalemon liris. Walker: xxxv. 1859 (1866).

a. Bachian (2) (Wallace).

692. Alcidis arnus.

Alcidis arnus. Felder: Reise Nov. Lep., pl. 121, f. 1 (1869).
———— Haase: C. B. Iris, i. p. 164 (1887) (scent organ).

a. Aru (Wallace). b. New Guinea (Wallace). c. Dorey (Wallace).

693. Alcidis zodiaca.

Nyctalemon zodiaca. Butler: Ent. Mo. Mag., v. p. 273 (1869).
Nyctalemon orontes. Walker (nec Linn.): i. 7 (1854).

Type. North China, in B. M.
a. Without locality (2).

Genus **NYCTALEMON.** Dalman: Act. Holm., 1824, p. 407.

694. Nyctalemon patroclus.

Papilio (Eq. achiv.) patroclus. Linn.: Mus. Lud. Ulr., 204 (1764).
———— Syst. Nat., ii. 749. 24 (1767).
———— Clerk: Icon., pl. 37, f. 1 (1764).
———— Fabr.: Sp. Ins., ii. 13. 53 (1781).
———— Mant. Ins., ii. 7. 59 (1787).
———— D'Aubent: Miscell., pl. 17, f. 1, 2.
———— Oliv.: Enc. Méth. Ins. Pap., pl. 8, f. 1 (1789).
———— Cramer: Pap. Exot., iii. pl. 198, f. A (1779), pl. 109, f. A, B (1777).
———— Herbst: Pap. pl. 54, f. 2, 3, pl. 55, f. 1 (1796).
———— Gmel.: Ed. Syst. Nat., i. 5. 2236. 24 (1788).
Noctua patroclus. Fabr.: Ent. Syst., iii. 2. 8. 2 (1794).
Urania patroclus. Latr. et God.: Enc. Méth., ix. 710. 5 (1809).
———— Lamarck: Nat. Hist. Anim. Invert., iv. 194 (1817).
———— Boisd.: Voy. de l'Astrolabe, i. Lep., 254. 2 (1832).
Lyssa achillaria. Hübner: Verz. Schm., 289. 2808 (1816).
Lyssa patroclaria. Hübner: Verz. Schm., 289. 2809 (1816).
Nyctalemon patroclus. Westwood: ed. Drury, i, p. 13, pl. 7, f. 1, pl. 8, f. 1 (1837).
———— Lucas: Bull. Soc. Ent., Fr. (5), x. p. 53 (1880).
———— Kühn: C. B. Iris, i. p. 183, pl. 6, f 9 *a–c* (1887) (larva).
———— Cotes and Swinh.: Cat. Moths of India, iv. 463. 3046 (1888).
Lyssidia patroclus. Westwood: Trans. Zool. Soc., Lond., 1879, p. 526.

a. Dorey (Wallace). b. Bachian (Wallace). c. New Guinea (Wallace). d. Ternate (Wallace). e. Ceram (Wallace). f. Amboina (Wallace).

695. Nyctalemon zampa.

Nyctalemon zampa. Butler: Ent. Mo. Mag., v. p. 273 (1869).
———— Moore: Journ. As. S c. Beng., pt. 2, No. 3, p. 234 1884)

Nyctalemon zampa. Cotes and Swinh.: Cat. Moths of India, iv. 463, 3047 (1888).
Papilio patroclus. Drury (nec Linn.): Ins. i. pl. 7, 8, f. 1 (1770).
Nyctalemon patroclus. Walker: i. 8 (1854).
Nyctalemon crameri. Boisd.: Mon. Agaristidées (Lep.) R. Z. (3), ii. p. 44 (1874).

Type. Sylhet, in B. M.
a. India (6).

696. Nyctalemon docile.

Nyctalemon docile. Butler: Trans. Linn. Soc., Lond., 1879, p. 562.

Type. Malacca, in B. M.
a. Sumatra (2) (Wallace). b. Penang (Ormerod). c. Singapore (Horsley).

697. Nyctalemon najabula.

Nyctalemon najabula. Moore: P. Z. S., Lond., 1877, p. 620.
——— Butler: P. Z. S., Lond., 1883, p. 169.
——— Cotes and Swinh.: Cat. Moths of India, iv. 463. 3045 (1888).
Lyssidia najabula. Westwood: T. Z. S., Lond., 1879, p. 526.

Type. Port Blair, Andamans, in coll. Moore.
a. Andamans (3) (Wimberly).

Family **COCYTIIDÆ.**

Genus **COCYTIA.** Boisd.: Mon. Zyg., p. 22 (1829).

698. Cocytia durvillii.

Cocytia durvillii. Boisd.: Mon. Zyg., p. 22, pl. 1, f. 1 (1829).
——— Voy. de l'Astrolabe, i. Lep., p. 191 (1832).
——— Spec. Gen. Lep., i. pl. 15, f. 1 (1836).
——— Chenu.: Enc. d'Hist. Nat. Pap., p. 333, f. 397 (1855).
——— Walker: i. 13 (1854).
——— Lucas: Bull. Soc. Ent. Fr. (5), x. p. 59 (1880).
——— Haase: C. B. Iris, i. p. 162 (1887) (scent organs).
——— Kühn: C. B. Iris, i. p. 182 (1887) (larva).

a. Morty (Bernstein). b. Gilolo (Wallace). c. Wagaiu (2) (Wallace). d. Ternate (Wallace).

699. Cocytia chlorosoma.

Cocytia chlorosoma. Butler: Ann. Mag. N. H. (4), xv. p. 144 (1875).

Type. Aru, in B. M.
a. Aru (2) (Wallace).

700. Cocytia ribbei.

Cocytia ribbei. Druce: Ent. Mo. Mag., xxi. p. 156 (1884).

Type. Aru, in coll. Druce.
a. Celebes (Wallace).

Family **CASTNIIDÆ.**

Genus **TASCINA.** Westwood: Trans. Linn. Soc., Lond. (2) i. p. 198 (1877).

701. Tascina orientalis.

Tascina orientalis. Westwood: Trans. Linn. Soc., Lond. (2), i. p. 199, pl. 33, f. 5 (1877).

a. Singapore (type) (Wallace).

Genus **SYNEMON.** Double: Append. to Stoke's Discov. in Austral., i. p. 515 (1846).

702. Synemon theresa.

Synemon theresa. Double: Stoke's Discov. Austral., Append., i. p. 517, pl. 3, f. 6 (1846).
——————— Klug.: Kon. Akad. Berl., 1850, p. 249, pl. 3, f. 5, 6.
——————— Walker: i. 35 (1854).
——————— Boisd.: Lep. Het., i. p. 552 (1875).
——————— Butler: Ill. Typ. Lep. Het., B. M., i. p. 6, pl. 3, f. 5 (1877).
——————— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 195 (1877).

a. New Holland (2). b. Australia (3). c. Adelaide (2).

703. Synemon icaria.

Synemon icaria. Felder: Reise Nov. Lep., pl. 79, f. 6 (1868).
——————— Stretch: Cist. Ent., ii. p. 13 (1875).
——————— Boisd.: Lep. Het., i. p. 554 (1875).
——————— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 196 (1877).
Sinemon gratiosa. Westwood: l. c., p. 198, pl. 33, f. 13.

a. New Holland (type *gratiosa*).

704. Synemon hesperioides.

Synemon hesperioides. Felder: Reise Nov. Lep., pl. 82, f. 12 (1868).
——————— Boisd.: Lep. Het., i. p. 555 (1875).
——————— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 197, pl. 33, f. 11 (1877).

a. New South Wales (2).

705. Synemon parthenoides.

Synemon parthenoides. Felder: Reise Nov. Lep., pl. 79, f. 7, 8 (1868).
——————— Boisd.: Lep. Het., i. p. 555, pl. 11, f. 5 (1875).
——————— Stretch: Cist. Ent., ii. p. 13 (1875).
——————— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 196 (1877).

a. Swan River (3). b. Adelaide (Watson). c. New Holland (2).

706. Synemon collecta: n. sp. Pl. VII. f. 16.

♀ Antennæ, head, body, and fore-wings brown, antennæ with reddish tips and white bands. Fore-wings with dark brown veins, costa whitish and whitish streaks in the interspaces, except immediately above the sub-costal vein, a white streak obliquely across the

end of the cell, and a broad discal band of streaks pointed at both ends in each interspace, the streaks more or less irrorated with brown in their centres, marginal line brown, cilia greyish white tipped with pale brown. Hind-wings with the basal half dark brown, including an orange discoidal spot, outer half orange, a discal band of largish dark brown spots, abdominal border suffused with brown, marginal line thickly black, cilia greyish white tipped with pale brown.

Underside, pale bright ochreous tinged with orange colour, streak at end of cell in fore-wings, a duplex longitudinal spot at end of cell in hind-wings, a discal band of short streaks in both wings whitish, four dark brown sub-marginal spots below apex on fore-wings, and a band of six similar but larger sub-marginal spots on hind-wings, marginal line dark brown, cilia greyish white lined with brown at its base and tipped with pale brown.

Expanse of wings $1\frac{6}{10}$ inches.

a. North Australia (type). b. New South Wales (2).

Allied to *S. theresa* (Double). This species is in the British Museum unnamed.

707. Synemon obscura.

Synemon obscura. Westwood: Trans. Linn. Soc., Lond. (2), i. p. 197, pl. 33, f. 9 (1877).

♂ Head, body, and both wings dark dull brown. Fore-wings with a pure white transverse streak at end of cell, a short outwardly curved yellowish band from costa near apex which ends in a small yellowish suffusion the upper part of which extends to the lower end of the white streak, another and similar short yellowish sub-marginal band from costa close to apex. Hind-wings with an ochreous cell spot and a very broad ochreous outer marginal band which occupies nearly one-third of the wing and has in it an indistinct sub-marginal brownish thin band.

Underside, fore-wings brown from the base to beyond the middle, the outer margin of this space straight, extending from middle of costa to hinder margin near the angle, outer portion of wing ochreous, including a large brown sub-costal spot in the disc, and an indistinct sub-marginal brown shade; hind-wings brown, with broad ochreous, outer border, including a sub-marginal thin brownish band.

Expanse of wings $1\frac{2}{10}$ inches.

a. New Holland (type) (W. C. Hewitson).

708. Synemon notha.

Synemon notha. Westwood: Trans. Linn. Soc., Lond. (2), i. p. 197, pl. 33, f. 10 (1877).

♂ ♀ Head, body, and fore-wings dark brown. Fore-wings irrorated and smeared in parts with greyish white scales, leaving some dark more or less indistinct transverse bands, more distinct in the females than in the males, a central broad band, a discal short band from

the costa, a patch on costa close to apex, and two incomplete bands of short streaks, sub-marginal and marginal close together. Hind-wings bright orange suffused with crimson, in one specimen nearly pure crimson, bands black, one basal, another across the middle, and a marginal band extending all round the wing, more or less diffuse on the abdominal border, and including a row of orange spots on the outer margin. Underside, both wings reddish orange, bands black; fore-wings with a lower basal streak, a black and a white cell spots, a short discal band from costa near apex, some marginal black streaks with white streaks between them; hind-wings with cell spots as on fore-wings, central and outer marginal bands, the latter including a row of marginal spots, red in the male, white in the female.

Expanse of wings ♂ 1 inch ♀ $1\frac{2}{10}$ inches.

a. Albany, Australia (♂ ♀ types) (Brewer). b. Albany (2 ♂) (Brewer).

Allied to *S. læta* (Walker).

709. Synemon directa.

Synemon directa. Westwood: Trans. Linn. Soc., Lond. (2), i. p. 197, pl. 33, f. 6 (1877).

♂ Head, body, and fore-wings dark chocolate brown. Fore-wings with a broad pure white straight band beyond the middle from the costa just beyond the centre to the hinder margin near the angle, which it does not reach; this band is well defined inwardly but is slightly diffuse outwardly in its lower portions, another thinner white band curved outwardly from the costa one-fifth from apex to the third median branch, and between this thin band and the broad band the space is dark and looks as if the two bands enclosed a large dark patch. Hind-wings bright deep black, with a crimson, serpentine, macular band, a few small crimson sub-marginal spots and a broad crimson transverse band at end of cell. Underside, wings reddish ochreous, with black transverse bands; fore-wings with a broad straight band from costal centre to hinder angle, a discal band from costa one-fourth from apex to the middle of a thinner sub-marginal band; hind-wings with a black inner mark, a medial distorted band and a sub-marginal band, neither of them reaching the abdominal margin.

Expanse of wings $2\frac{1}{10}$ inches.

a. Australia (type).

710. Synemon nupta.

Synemon nupta. Westwood: Trans. Linn. Soc., Lond. (2), i. p. 197, pl. 33, f. 7 (1877).

♂ Head and body brown, abdomen with some reddish suffusions. Fore-wings brown densely suffused in parts with greyish white, leaving places not suffused forming a medial band deeply elbowed outwardly in its centre, a large discal sub-apical patch and a sub-marginal band of spear-shaped spots. Hind-wings bright deep

black, bright crimson in the centre, enclosing a short discal black band which runs into the black outer margin before the middle, leaving a crimson sub-apical discal spot. Underside, both wings black; fore-wings suffused with crimson on the basal half of the costal space, and two short crimson bands from the costa, one just beyond the middle, the other sub-apical; hind-wings with a white discoidal small spot and a discal transverse row of three spots, the centre one crimson, the others more or less suffused with crimson.

Expanse of wings $1\frac{8}{10}$ inches.

a. North Australia (type).

The above four species were in the collection unnamed, and were apparently new species. I described them before I discovered Westwood's Memoir, which does not seem to have been referred to by any author.

711. Synemon adelaida: n. sp. Pl. VII. f. 10.

♂ ♀ Frons, top of head, and thin ring behind the eyes whitish, body and fore-wings greyish brown, lower part of abdomen paler. Fore-wings with whitish veins, a whitish spot at end of cell, a transverse band of three similar spots below it between the veins, a discal incomplete similar band, disjointed in the centre, and in the two male specimens an indistinct sub-marginal similar band. Hind-wings dark blackish brown, with reddish ochreous macular bands, discal and submarginal, and a similarly coloured large spot at the end of the cell, the spot and bands of spots larger in the female than in the males. Underside, fore-wings bright ochreous red with a large blackish suffused basal patch, and a large blackish discal patch, veins near the margin marked with black, marginal line black, cilia grey, interlined and tipped with black; hind-wings as above, marginal line and cilia as in fore-wings, both wings below in the female are of a greyish colour suffused in parts with ochreous, fore-wings with the blackish patches as in the male, hind-wings with a large blackish discal patch and a submarginal band of smaller blackish spots, marginal line of both wings black, cilia interlined.

Expanse of wings $1\frac{8}{10}$ inches.

a. Adelaide (type ♂ ♀). b. Adelaide.

712. Synemon plana.

Synemon plana. Walker: i. 37 (1854).
——————— Butler: Ill. Typ. Lep. Het., B. M., i. p. 7, pl. 3, f. 7 (1877).
——————— Boisd.: Lep. Het., i. p. 554 (1875).
——————— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 194 (1877).

Type. Australia, in B. M.

a. New South Wales. b. Haut River.

713. Synemon læta.

Synemon læta (♂). Walker: i. 36 (1854).
——————— Boisd.: Lep. Het., i. p. 553 (1875).

Synemon laeta (♂). Butler: Ill. Typ. Lep. Het., B. M., i. p. 6, pl. 3, f. 4 (1877).
———— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 195 (1877).
Synemon vagans (♀). Westwood: l. c., p. 198, pl. 33, f. 12.

Type. Australia, in B. M.
a. New Holland (type *vagans*) (Strange).

714. Synemon mopsa.

Synemon mopsa. Double: Stokes' Discov. Austral., App., i. p. 518, pl. 3, f. 7 (1846).
———— Walker: i. 35 (1854).
———— Boisd.: Lep. Het., i. p. 552 (1875).
———— Butler: Ill. Typ. Lep. Het., B. M., i. p. 7, pl. 3, f. 3 (1877).
———— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 196 (1877).

a. Adelaide (2).

Family **AGARISTIDÆ.**

Genus **AGARISTA.** Leach: Zool. Mis., i. 37 (1814).

715. Agarista agricola.

Papilio agricola. Don.: Ill. Ins. Austral. Lep. pl. 32 (1805).
Agarista agricola. Boisd.: Rev. et Mag. de Zool., 1874, p. 68.
———— Walker: i. 40 (1854).
Agarista picta. Leach: Zool. Mis., i. pl. 15 (1814).
———— Godt.: Enc. Méth., ix. 803 (1819).
———— Boisd.: Voy. de l'Astrolabe, i. Lep. 172. 1 (1832).
———— Feisthamel: Voy. de la Fav., v. Suppl. 21 (1839).
———— Duncan: Nat. Libr., xxxviii. Exot. Moths, 83, pl. 2, f. 1 (1841).

a. New Holland (2). b. New South Wales (3). c. Moreton Bay (2). d. Colum Dys.

716. Agarista flexuosa.

Agarista flexuosa. Walker: xxxi. 46 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 74.

Type. Moreton Bay, in B. M.
a. Moreton Bay (Stevens).

717. Agarista contorta.

Agarista contorta. Walker: xxxi. 45 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 73.
Agarista casuarinæ. Scott: Austral. Lep., p. 24, pl. 8 (1864).
———— Walker: xxxv. 1859 (1866).
———— McCoy: Prodr. Zool. Vict. Dec., i. pl. 8 (1878) (transformations).

Type. Australia, in B. M.
a. Australia (3). b. New South Wales (2).

GENUS **PHALÆNOIDES**. Lewin: Nat. Hist. Lep. Ins., N. S. Wales, p. 2 (1805).

718. Phalænoides glycinæ.

Phalænoides glycinæ. Lewin: Nat. Hist. Lep. Ins., New South Wales, p. 2, pl. 1 (1805).
Agarista glycinæ. Boisd.: Voy. de l'Astrolabe, i. Lep. 175. 5 (1832).
——————— Sp. Gen. Lep., i. pl. 14, f. 3 (1836).
——————— Feisthamel: Voy. de la Fav., v. Suppl., 21 (1839).
——————— Guér.: Icon. Règn. Anim. Ins., pl. 83, f. 2 (1842) (larva).
——————— Croch.: ed. Règn. Anim. Atlas Ins., pl. 144, f. 4.
——————— Walker: i. 42 (1854).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 70.
——————— McCoy: Prodr. Zool. Vict. Dec., i. pl. 8 (1878) (transformations).

a. New Holland. b. Moreton Bay. c. New South Wales (9).

719. Phalænoides latinus.

Papilio latinus. Don.: Ill. Ins. Austral. Lep. (1805).
Agarista latinus. Boisd.: Voy. de l'Astrolabe, i. Lep. 174, f. 4 (1832).
——————— Feisthamel: Voy. de la Fav., v. Suppl. 21 (1839).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 70.
——————— Angas: South Austral., pl. 37, f. 23 (1847).

a. Van Diemen's Land (5). b. New Holland (2). c. Adelaide.

720. Phalænoides lewinii.

Agarista lewinii. Boisd.: Voy. de l'Astrolabe, i. Lep. 176. 6 (1832).
——————— Walker: i. 43 (1854).
——————— Boisd: Rev. et Mag. de Zool., 1874, p. 71.
——————— Butler: Ill. Typ. Lep. Het., B.M., i. p. 7, pl. 4, f. 2 (1877).
——————— McCoy: Prodr. Zool. Vict. Dec., i. pl. 8 (1878) (transformations).

a. Sidney (4).

721. Phalænoides ephyra.

Agarista ephyra. Angas: South Austral., pl. 37, f. 20 (1847).
——————— Walker: i. 42 (1854).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 71.
——————— Butler: Ill. Typ. Lep. Het., B.M., i. p. 8, pl. 4, f. 4 (1877).

Type. Tasmania, in B. M.

a. Van Diemen's Land (5). b. Adelaide. c. New Holland.

The insect bearing MS. name of *ephyra* is no doubt Angas's type of the species and corresponds with Angas's figure.

722. Phalænoides leonora.

Agarista leonora. Double: Stokes' Discov. Austral., App. i. p. 518, pl. 3, f. 4 (1846).
——————— Walker: i. 44 (1854).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 76.
——————— Butler: Ill. Typ. Lep. Het., B.M., i. p. 8, pl. 4, f. 6 (1877).

a. Port Essington (2).

723. Phalænoides butleri: n. sp. Pl. v. f. 6.

♂ ♀ Antennæ, palpi, head, body, and wing deep black, palpi, head, and thorax with pale yellowish spots, abdomen rufous at the apex. Fore-wings with some small pale yellow spots at the base, a larger and squarish spot at the end of the cell, a still larger one below it near hinder margin, two smaller spots close together, one above, the other just inside the cell spot; in some specimens one or other of these two small spots is absent, a discal band like two large spots joined together, somewhat like the discal band in *A. ephyra*, but more attenuated in its middle, a sub-marginal row of dots, and cilia white at apex and hinder angle. Hind-wings with a large outwardly curved central space, of the same pale yellow colour, cilia white at apex and towards anal angle. Underside as above, but all the inner spots of fore-wing wanting except the square one at end of cell, abdomen with the apical half banded with rufous and legs with patches of rufous hairs.

Expanse of wings 1½ inches.

a. Swan River (type). b. Swan River. c. New Holland (2).

Allied to *A. ephyra* (Angas), and to *A. polysticta* (Butler), the deep black colouration above and below in some lights is covered with a bronzy sheen; from *A. ephyra* it differs in the absence of the sub-basal band and second row of pale sub-marginal dots in fore-wings, and in the much larger central yellow patch in hind-wing. There are examples of this insect unnamed in B. M.

724. Phalænoides affinis.

Agarista affinis. Boisd.: Voy. de l'Astrolabe, i. Lep. 177. 8 (1832).
——— Walker: i. 43 (1854).
——— Boisd.: Herr. Schäff., Lep. Exot., f. 29, 30 (1853).
——— Rev. et Mag. de Zool., 1874, p. 72.
——— Butler: Ill. Typ. Lep. Het., B. M., i. p. 8, pl. 4, f. 3 (1877).

a. New South Wales (4).

725. Phalænoides Novæ Hiberniæ.

Agarista Novæ Hiberniæ. Boisd.: Voy. de l'Astrolabe, i. Lep. 128. 10 (1832).
——— Walker: i. 45 (1854).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 76.
——— Butler: Ill. Typ. Lep. Het., B. M., i. p. 8, pl. 4, f. 5 (1877).

a. New Ireland.

726. Phalænoides micacea.

Agarista micacea. Walker: xxxi. 48 (1864).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 75.

a. Ceram (type) (Wallace).

727. Phalænoides macleayi: n. sp. Pl. v. f. 11.

♀ Black, palpi with pale yellow sides, a pale yellow mark behind the eyes, abdomen with yellow very thin segmental bands and with

rufous apex. Fore-wings with some cyaneous scales at the base forming four or five very thin transverse lines about the costal portion, a pale yellow discal band running from the costa beyond the middle towards the hinder angle, which it does not reach; this band is thin and becomes broken and attenuated hindwards; cilia white at apex. Hind-wings with a broad discal pale yellow band extending from the abdominal margin just above the anal angle to the upper end of the cell, its inner margin touching it, the band is nearly uniform throughout, thickening very slightly upwards, cilia white at apex. Underside, wings as above, bands on abdomen broader, legs with tufts of rufous hairs, tarsi with yellow bands.

Expanse of wings $1\frac{7}{10}$ to $2\frac{1}{10}$ inches.

a. Australia (type). b. Australia.

Both these examples are females, and one is very much larger than the other, but undoubtedly they are identical. They bear a manuscript name of *macleayi*, for which I can find no reference, and are allied to nothing I know of.

728. Phalænoides donovani.

Agarista donovani. Boisd.: Voy. de l'Astrolabe, i. Lep. 176. 7 (1832).
——————— Feisthamel: Voy. de la Fav., v. Suppl. 22 (1839).
——————— Walker: i. 43 (1854).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 73.
——————— Butler: Ill. Typ. Lep. Het., B. M., i. p. 9, pl. 4, f. 7 (1877).

a. New Holland. b. New South Wales (3). c. Moreton Bay (Stevens).

729. Phalænoides darwiniensis.

Agarista darwiniensis. Butler: Ann. Mag. N. H. (5), xiv. p. 406 (1884).

Type. Port Darwin, in B. M.

a. Moreton Bay. b. West Australia. c. Port Essington.

730. Phalænoides neptioides.

Agarista neptioides. Butler: Ann. Mag. N. H. (4), xv. p. 138 (1875).

Type. Australia, in B. M.

a. West Australia.

731. Phalænoides milete.

Phalæna milete. Cramer: Pap. Exot., i. pl. 18, f. D (1779).
Eusemia milete. Walker: i. 53 (1854).
——————— Moore: Cat. Lep. E. I. C., ii. p. 290, pl. 13, f. 4 (larva) (1859).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 94.
——————— Butler: Ill. Typ. Lep. Het., B. M., i. p. 9, pl. 5, f. 6 (1877).

a. Java (Horsfield).

732. Phalænoides conferta.

Eusemia conferta. Walker: xxxi. 53 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 90.

a. Sumatra (type) (Wallace). b. Sumatra (3).

733. Phalænoides pyraliformis.

Vitessa pyraliformis. Walker: xxxi. 220 (1864).

a. New Guinea (type).

In pattern and colour this insect very much resembles a *Vitessa*, but it is a true *Phalænoides*.

734. Phalænoides fenestrata.

Eusemia fenestrata. Walker: xxxi. 54 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 95.

a. Makessar, Celebes (type ♂) (Wallace).

735. Phalænoides mutata.

Eusemia mutata. Walker: xxxi. 52 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 96.

a. Makessar, Celebes (type ♀) (Wallace).

Probably the female of *A. fenestrata*.

GENUS **ROTHIA.** Westwood: Trans. Linn. Soc., Lond. (2), i. p. 205 (1877).

736. Rothia privata.

Agarista privata. Walker: xxxi. 48 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 77.

a. Ceram (type) (Wallace).

737. Rothia æqualis.

Agarista æqualis. Walker: xxxi. 47 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 75.

a. Aru (type) (Wallace).

738. Rothia luctifera.

Agarista luctifera. Boisd.: Sp. Gen. Lep., i. pl. 14, f. 4 (1836).
Eusemia luctifera. Walker: i. 53 (1854).
———— Moore: Cat. Lep. E. I. C., i. p. 289 (1859).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 95.

a. Java (2) (Wallace).

GENUS **EUSEMIA.** Dalman: Vet. Akad. Handl. (1824).

739. Eusemia irenea.

Eusemia irenea. Boisd.: Rev. et Mag. de Zool., 1874, p. 84.
———— Butler: Ent. Mo. Mag., Lond., xii. p. 119 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 59. 325 (1887).

a. Assam (2). b. Sylhet.

740. Eusemia maculatrix.

Eusemia maculatrix. Westw.: Nat. Libr. Exot. Moths, p. 88, pl. 2, f. 3 (1841).
——————— Cab. Or. Ent., p. 67, pl. 33, f. 1 (1848).
——————— Walker: i. 47 (1854).
——————— vii. 1773 (1856).
——————— Moore: Cat. Lep. E. I. C., ii. p. 287 (1859).
——————— P. Z. S., Lond., 1865, p. 795.
——————— Butler: Ent. Mo. Mag., Lond., xii. p. 118 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 59. 324 (1887).

a. Assam (type) (Jenkins). b. India (2) (Ashmol. Mus.). c. India (2). d. India (Hearsay). e. India (Rigaud).

741. Eusemia communis.

Eusemia communis. Butler: Ann. Mag. N. H. (4), xv. p. 140, pl. 13, f. 1 (1875).
——————— Ent. Mo. Mag., Lond., xii. p. 119 (1875).
——————— Moore: Journ. As. Soc., Beng., liii. pt. 2, p. 234 (1884).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 58. 317 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 174.

Type. Sylhet, in B. M.
a. Sylhet (3). b. India (2) (Ashmol. Mus.).

742. Eusemia fasciatrix.

Eusemia fasciatrix. Westwood: Cab. Or. Ent., p. 67 (1848).
——————— Butler: Ent. Mo. Mag., xii. p. 119 (1875).
Eusemia bijugata. Walker: Journ. Linn. Soc., Lond., vi. p. 85 (1862).

a. Assam (type) (Jenkins). b. Sumatra (Wallace).

743. Eusemia communicans.

Eusemia communicans. Walker: xxxi. 50 (1864).
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 82.
——————— Butler: Ent. Mo. Mag., Lond., xii. p. 119 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 58. 316 (1887).

a. Cambodia, Siam (type) (Mouhot). b. Sarawak, Borneo (Wallace). c. Malacca (Wallace). d. Singapore (Wallace). e. Without locality (Hewitson).

744. Eusemia vetula.

Eusemia vetula. Hübner: Zutr., fig. 657 (1823).
——————— Moore: Cat. Lep. E. I. C., ii. p. 287 (1859).
——————— P. Z. S., Lond., 1867, p. 677.
——————— Boisd.: Rev. et Mag. de Zool., 1874, p. 82.
——————— Butler: Ent. Mo. Mag., xii. p. 119 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 61. 335 (1887).

a. Java (Wallace). b. Java (2) (Westwood). c. Java (4).

The differences between *E. communis*, *fasciatrix*, *communicans*, and *vetula* are very slight; *communis* only differs from *fasciatrix* in the whiteness of the bands; but some of the specimens have a tend-

ency to yellow; *fasciatrix*, *communicans*, and *vetula* all have yellow bands, but are more or less deficient in the spots near the outer border; the bands in *vetula* are more broken than in *communicans*, but all vary a little and I believe all four belong to one wide-spread and slightly varying species.

745. Eusemia connexa.

Eusemia connexa. Walker: vii. 1773 (1856).
——— ——— Butler: Ent. Mo. Mag., xii. p. 119 (1875).

Type. Java, in B. M.
a. Java (Horsfield).

746. Eusemia bisma.

Eusemia bisma. Moore: Cat. Lep. E. I. C., ii. p. 287 (1859).
——— Walker: xxxi. 50 (1864).
——— Butler: Ent. Mo. Mag., xii. p. 119 (1875).
Eusemia maculatrix, var. η. Walker: i. 48 (1854).
Eusemia lambertiena. Boisd.: Rev. et Mag. de Zool., 1874, p. 83.

Type. Java, in B. M.
a. Java (3) (Hearsay). b. Sumatra (Wallace).

747. Eusemia amatrix.

Eusemia amatrix. Westw.: Cab. Or. Ent., p. 68, pl. 33, f. 4 (1848).
——— Walker: i. 49 (1854).
——— Moore: P. Z. S., Lond., 1867, p. 676.
——— Butler: Ent. Mo. Mag., Lond., xii. p. 123 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 57. 311 (1887).

a. Assam (type) (Jenkins). b. Darjiling.

748. Eusemia eudamoides.

Eusemia eudamoides. Butler: Ent. Mo. Mag., xii. p. 123 (1875).

Type. Celebes, in B. M.
a. Celebes (Wallace).

749. Eusemia dentatrix.

Eusemia dentatrix. Westw.: Cab. Or. Ent., p. 68, pl. 33, f. 5 (1848).
——— Walker: i. 46 (1854).
——— Moore: Cat. Lep. E. I. C., ii. p. 287 (1859).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 76.
——— Butler: Ent. Mo. Mag., xii. p. 119 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 58. 319 (1887).

a. Assam (type) (Jenkins). b. India. c. Sylhet.

750. Eusemia belangerii.

Eusemia belangerii. Guér.: Voy. de Belanger Atlas Ins., pl. 5, f. 3 (1843).
——— Walker: xxxi. 49 (1864).

Eusemia belangerii. Boisd.: Rev. et Mag. de Zool., 1874, p. 88.
——————— Butler: Ent. Mo. Mag., xii. p. 122 (1875).

a. Java (3).

751. Eusemia hesperioides. Pl. v. f. 3.

Eusemia hesperioides. Walker: Journ. Linn. Soc., Lond., vi. p. 86 (1862).
——————————— xxxi. 50 (1864).
——————— Butler: Ent. Mo. Mag., xii. p. 122 (1875).
Eusemia tricolor. Butler: Ann. Mag. N. H. (4), xv. p. 142 (1875).

Type (*tricolor*). Sarawak, in B. M.

a. Sarawak, Borneo (type) (Wallace).

752. Eusemia bernsteinii.

Opthalmis bernsteinii. Voll.: Tijd. voor Ent., vi. p. 132, pl. 9, f. 1 (1863).
Eusemia josioides. Walker: xxxi. 54 (1864).
——————— Butler: Ent. Mo. Mag., xii. p. 125 (1875).
Agarista xanthomelas. Boisd.: Rev. et Mag. de Zool., 1874, p. 80, pl. 8, f. 2.

a. Gilolo (type *josioides*) (Wallace). b. Aru (Vollenhöeven).

Walker's type and Vollenhöeven's and Boisduval's figures are identical.

753. Eusemia saturata. Pl. v. f. 1.

Eusemia saturata. Walker: xxxi. 54 (1864).

a. Bouru (type) (Wallace).

Mr. A. G. Butler, in Ann. Mag. N. H. (4), xv. (1875), p. 139, says he has failed to discover this type; this specimen is undoubtedly the type, and Walker or the printer omitted to add the words 'in Mr. Saunders' collection' after the word Bouru, which is incorrectly printed Bourn in his catalogue.

754. Eusemia milioniata. n. sp. Pl. v. f. 2.

♂ Palpi brown above, orange beneath, antennæ, head, thorax, and abdomen blackish brown, some orange hairs in front of vertex, a band of orange hairs on collar, abdomen with cyaneous reflections. Fore-wings blackish brown, with a broad transverse orange band, extending from costa a little beyond the middle to the hinder angle, which it does not quite reach; the band is fairly uniform in width; it does not quite touch the costa, the costal line being brown like the rest of the wing, fringe brown, white at the apex, costal line from base to the band orange. Hind-wing glistening cyaneous black blue, being black in some lights and brilliant blue in others, no marks, fringe pure white. Underside, pectus orange, rest of body brown, some pale bands in centre of abdomen, legs brown above, orange beneath. Wings brown, basal half of fore-wings and whole of hind-wings with cyaneous reflections, orange band on fore-wings very

broad towards the costa, where it encloses a large square black space, cilia as above.

Expanse of wings $2\frac{3}{10}$ inches.

a. Philippines (type).

The fore-wings of this insect are narrow, and it has a very close superficial resemblance to *Milionia cyaneifera* (Walker).

755. Eusemia lectrix.

Phalæna noctua lectrix. Linn.: Mus. Lud. Ulr., 389 (1764).
——— Syst. Nat., i. ii. 834. 89 (1767).
——— Edw.: Aves, pl. 318 (1750).
——— Houttuyn: Hist. Nat., i. xi. p. 598, pl. 92, f. 5 (1766).
Bombyx lectrix. Fabr.: Sp. Ins., ii. 201. 132 (1781).
——— Mant. Ins., ii. 130. 185 (1787).
——— Ent. Syst., iii. i. 475. 212 (1793).
Phalæna (*Bombyx*) *lectrix.* Gmel.: ed. Syst. Nat., i. 5. 2442. 89 (1788).
——— Cramer: Pap. Exot., ii. 146, pl. 192, f. C (1779).
——— Don.: Ins. China, pl. 43, f. 2 (1798).
Eusemia lectrix. Duncan: Nat. Libr., xxxvii. Exot. Moths, 86, pl. 2 (1841).
——— Walker: i. 47 (1854).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 84.
——— Butler: Ent. Mo. Mag., xii. p. 118 (1875).

a. China (4).

756. Eusemia contracta.

Eusemia contracta. Butler: Ent. Mo. Mag., xii. p. 117 (1875).
——— Swinhoe: P. Z. S., Lond., 1885, p. 292.
——— Cotes and Swinh.: Cat. Moths of India, ii. 58. 318 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 55 (1891).

Type. India, in B. M.

a. Bombay.

757. Eusemia bellatrix.

Eusemia bellatrix. Westw.: Cab. Or. Ent., p. 67, pl. 33, f. 2 (1848).
——— Walker: i. 46 (1854).
——— Moore: Cat. Lep. E. I. C., ii. p. 288 (1859).
——— Butler: Ent. Mo. Mag., xii. p. 117 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 58. 315 (1887).
Eusemia adulatrix. Kollar: Kasch. von Hüg., iv. p. 464, pl. 20, f. 1 (1848).
——— Moore: Cat. Lep. E. I. C., ii. p. 288 (1859).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 85.
——— Butler: Ent. Mo. Mag., xii. p. 117 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 57. 308 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 174.

Eusemia adulatrix. Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 53 (1891).

a. Assam (type) (Jenkins). b. Cambodia, Siam (Mouhot).
c. E. Indies (Hutton). d. India (3) (Ashmol. Mus.).

758. Eusemia afflicta.

Eusemia afflicta. Butler: Ent. Mo. Mag., xii. p. 118 (1875).
———— Swinhoe: P. Z. S., Lond., 1885, p. 292.
———— P. Z. S., Lond., 1886, p. 436.
———— Cotes and Swinh.: Cat. Moths of India, ii. 57. 309 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 54 (1891).

Type. Matheran Hill, Bombay, in coll. Moore.
a. Central India (Hearsay).

759. Eusemia vulcania.

Eusemia vulcania. Butler: Ent. Mo. Mag., xii. p. 123 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 61. 337 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1889, p. 174.

Type. Burma, in coll. Moore.
a. Burma (2) (Ashmol. Mus.).

760. Eusemia victrix.

Eusemia victrix. Westw.: Cab. Or. Ent., p. 67, pl. 33, f. 3 (1848).
———— Walker: i. 52 (1854).
———— Moore: Cat. Lep. E. I. C., ii. p. 288 (1859).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 87.
———— Butler: Ent. Mo. Mag., xii. p. 117 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 61. 336 (1887).
Eusemia silhetensis. Butler: Ann. Mag. N. H. (4), xv. p. 139 (1875).
———— Ent. Mo. Mag., xii. p. 116 (1875).
———— Ill. Typ. Lep. Het., B. M., v. p. 17, pl. 82, f. 1 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 60. 332 (1887).

Type. Assam, in B. M.
Type (*silhetensis*). Sylhet, in B. M.
a. India (5).

761. Eusemia vacillans.

Eusemia vacillans. Walker: xxxi. 51 (1864).
———— Boisd.: Rev. et Mag. de Zool., 1874, p. 89.

a. Makessar, Celebes (type) (Wallace).

762. Eusemia doreana. n. sp. Pl. v. f. 4.

♂ Antennæ, palpi, head, and body brown; palpi with some white at the sides and base, a white line behind the eyes, thorax with some blue black long hairs, abdomen with a red tip and a red stripe near the tip. Wings deep black. Fore-wings, with some cyaneous

atoms along the sides of the veins at the base, and a medial white band, rather narrow and rounded at the ends, reaching from the costa at the centre where it is irrorated with blue, to the centre of the interno-median area towards the hinder angle, this end having also some blue atoms. Hind-wings with a very broad central white band, occupying more than the outer half of the abdominal margin, narrowing somewhat towards the centre of the costa, which it does not reach and where there are also some blue atoms; the whole of the black portion of the wing has brilliant cyaneous reflections, black in some lights and brilliant dark blue in others; cilia of both wings brown, with a white space at the tips. Underside, body and legs brown, wings as above, but of a rich dull brown.

Expanse of wings $2\frac{1}{2}$ inches.

a. Dorey (type) (Wallace).

763. Eusemia funebris.

Eusemia funebris. Moore: P. Z. S., Lond., 1872, p. 569.
———— Waterhouse: Aid., ii. pl. 127, f. 4 (1883).
———— Cotes and Swinh.: Cat. Moths of India, ii. 59. 322 (1887).

a. India (type).

Genus **CHELONOMORPHA.** Motsch.: Et. Ent., ix. p. 29 (1860).

764. Chelonomorpha japana.

Chelonomorpha japana. Motsch.: Et. Ent., ix. p. 30 (1860).
Eusemia villicoides. Butler: Ann. Mag. N. H. (4), xv. p. 144, pl. 13, f. 2 (1875).

Type (*villicoides*). Hakodadi, in B. M.

a. Japan.

Genus **OPTHALMIS.** Hübner: Verz. Schm., p. 166 (1816).

765. Opthalmis lincea.

Phalæna lincea. Cramer: Pap. Exot., iii. 61, pl. 228, f. B (1780).
Opthalmis lincea. Hübner: Verz. Schm., 166. 1719 (1816).
———— Walker: ii. 361 (1854).
———— Butler: Ann. Mag. N. H. (5), xiii. p. 199 (1884).
Agarista linceoides. Boisd.: Rev. et Mag. de Zool., 1874, p. 80.

a. Ké (2) (Wallace). b. Makessar, Celebes (Wallace). c. Ceram (Wallace). d. Wagaiow (2) (Wallace). e. Amboina (Wallace). f. New Guinea (2) (Wallace).

766. Opthalmis mollis.

Eusemia mollis. Walker: vii. 1774 (1856).

Type. E. Indies, in B. M.

a. Singapore (Wallace). b. Mount Ophir, Malacca (Wallace). c. Borneo (3). d. Sarawak, Borneo (Wallace). e. Sumatra (2) (Wallace).

767. Opthalmis bambucina.

Noctua bambucina. Eschscholtz: Kotzebue's Reise von die Welt, p. 219, pl. 11, f. 30 (1830).
Eusemia bambucina. Walker: vii. 1773 (1856).
Agarista lincea. Boisd. (nec Cram.): Rev. et Mag. de Zool., 1874, p. 79.

a. Philippines.

768. Opthalmis zelleri.

Opthalmis zelleri. Butler: Ann. Mag. N. H. (5), xix. p. 215 (1887).

Type. Ternate, in B. M.
a. Halmaheira (3) (Leyden Mus.). b. Gilolo (Wallace).
c. Bachian (Wallace). d. Ternate (Wallace).

GENUS **BURGENA**. Walker: xxxi. 55 (1864).

769. Burgena varia.

Damias varia. Walker: i. 15 (1854).
Burgena varia. Butler: Ill. Typ. Lep. Het., B. M., i. p. 11, pl. 4, f. 1 (1877).
Burgena educta ♀. Walker: xxxi. 56 (1864).
Burgena transducta ♂. Walker: xxxi. 56 (1864).

Type. Richmond River, Australia, in B. M.
Type (*transducta*). Gilolo, in B. M.
a. Gilolo (type *educta*) (Wallace). b. Mysol (Wallace).
c. New Guinea (Wallace). d. Bachian (Wallace). e. Ké (Wallace). f. Sumatra (Wallace). g. Morty (Leyden Mus.).
h. Dorey (Wallace).

GENUS **ZALISSA**. Walker: xxxiii. 936 (1865).
Seudyra. Stretch: Cist. Ent., ii. p. 19 (1875).

Type *Zalissa catacolina.* Walker: xxxiii. 936.

770. Zalissa longipennis.

Catocala longipennis. Walker: xxxiii. 934 (1865).
Eusemia longipennis. Boisd.: Rev. et Mag. de Zool., 1874, p. 98.
Seudyra longipennis. Butler: Ill. Typ. Lep. Het., B. M., v. p. 19, pl. 82, f. 8 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 61. 339 (1887).

Type. Sylhet, in B. M.
a. Assam (Jenkins). b. India.

771. Zalissa venosa.

Seudyra venosa. Moore: P. Z. S., Lond., 1879, p. 389.
———— Waterhouse: Aid., ii. pl. 131, f. 5 (1883).
———— Cotes and Swinh.: Cat. Moths of India, ii. 62. 341 (1887).

Type. Darjiling, in coll. Moore.
a. Barrackpur (Minchin). b. India.

772. Zalissa noctuina.

Seudyra noctuina. Butler: Ent. Mo. Mag., xiv. p. 206 (1878).
———— Ill. Typ. Lep. Het., B. M., ii. p. 3, pl. 22, f. 1 (1878).

Type. Hakadodi, in B. M.
a. Japan (2).

773. Zalissa exiguifascia.

Zalissa exiguifascia. Hampson: MS. ined.
Phægorista catocalina. Walker: xxxv. 1859 (1866) (nom. preoc.).
———— Moore: P. Z. S., Lond., 1867, p. 677.
Seudyra catocalina. Butler: Ill. Typ. Lep. Het., B. M., v. p. 20, pl. 82, f. 9 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 61. 338 (1887).

Type. N. India, in B. M.
a. India (2).

774. Zalissa transiens.

Eusemia transiens. Walker: vii. 1588 (1856).
———— Moore: Cat. Lep. E. I. C., ii. p. 290, pl. 13, f. 5, 5*a*, (1859).
Seudyra transiens. Stretch: Cist. Ent., ii. p. 19 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 61. 340 (1887).
Agarista ægoceroides. Felder: Reise Nov., pl. 107, f. 10 (1868).
Eusemia ægoceroides. Boisd.: Rev. et Mag. de Zool., 1874, p. 106.

Type. Java, in B. M.
a. Assam (Jenkins). b. India (3). c. Sarawak, Borneo (Wallace).

Genus **MIMEUSEMIA**. Butler: Ann. Mag., N. H. (4), xv. p. 397 (1875).

775. Mimeusemia tara. n. sp. Pl. VI. f. 11.

♂ ♀ Palpi in front and last joint white, a broad white stripe on top of head, antennæ, thorax, and fore-wings dark bright chocolate brown, thorax with a white stripe down the centre, abdomen ochreous, first two segments with large brown spots. Fore-wings with three large white spots, 1st near costa one-fifth from base, the smallest and nearly square, 2nd larger, in the centre below the middle, 3rd the largest discal extending from near the costa into the interspace below the second median branch, an indistinct line with cyaneous reflections running in and out between the spots. Hind-wing with the abdominal third ochreous, the remainder of the wing of the same bright chocolate brown as the fore-wing, this colour fining down to the anal angle, and containing a large white discal spot, all the white spots and markings very slightly tinged with yellow. Underside, wings as above, the centre spot on fore-wings running up towards the costa and the base of the wing

ochreous, pectus, body, and legs bright ochreous, fore-legs with brown bands above, hind-legs with brown bands on the tarsi.

Expanse of wings $1\frac{6}{10}$ inches.

a. Sarawak, Borneo (type ♂) (Wallace). b. Singapore (type ♀) (Horsley).

GENUS **ÆGOCERA**. Latr.: Gen. Crust. et Ins., iv. 211 (1809).

776. **Ægocera venulia.**

Phalæna venulia. Cramer: Pap. Exot., ii. pl. 165, f. D (1777).
Ægocera venulia. Latr.: Gen. Crust. et Ins., iv. p. 212 (1809).
——— ——— Boisd.: Mon. Zyg., p. 13, pl. 1, f. 3 (1829).
——— Croch.: Ed. Regn. Anim. Atlas Ins., pl. 148, f. 1 (1828).
——— Walker: i. 55 (1854).
——— Chenu: Enc. d'Hist. Nat. Pap., p. 236, f. 404 (1855).
——— Moore: Cat. Lep. E. I. C., ii. p. 286 (1859).
——— Lep. Ceylon, ii. p. 32, pl. 94, f. 1 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 63. 348 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 58 (1891).
Erastria venulia. Moore: P. Z. S., Lond., 1867, p. 61.

a. Central India (4) (Hearsay). b. Nilgiri Hills. c. India (3).

777. **Ægocera bimacula.**

Ægocera bimacula. Walker: i. 57 (1854).
——— Moore: Cat. Lep. E. I. C., ii. p. 286 (1859).
——— Boisd.: Rev. et Mag. de Zool., 1874, p. 54.
——— Butler: Ill. Typ. Lep. Het., B. M., i. p. 11, pl. 5, f. 4 (1877).
——— Moore: Lep. Ceylon, ii. p. 33, pl. 94, f. 2 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 62. 345 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 3. 57 (1891).

Type. North India, in B. M.

a. India (2). b. Nilgiri Hills. c. Central India (Hearsay). d. Sylhet.

778. **Ægocera cornigera.**

Ægocera cornigera. Butler: Trans. Ent. Soc., Lond., 1886, p. 381.

Type. Australia, in B. M.

a. Queensland. b. Rockampton. c. Australia.

GENUS **HECATESIA**. Boisd.: Mon. Zyg., p. 11 (1829).

779. **Hecatesia fenestrata.**

Hecatesia fenestrata. Boisd.: Mon. Zyg., p. 11, pl. 1, f. 2 (1829).
——— Voy. de l'Astrolabe, i. Lep., p. 171 (1832).
——— Spec. Gén. Lep., i. pl. 14, f. 7 (1836).

Hecatesia fenestrata. White: Grey's Journ. Exped. Disc. Austral., Append., p. 415, pl. 8, f. 2 (1841).
———— Walker: i. 54 (1854).
———— Chenu: Enc. d'Hist. Nat. Pap., 236, f. 403 (1855).
———— Boisd.: Mon. Agaristides Zool., 1874, and sep. issue, p. 23.
———— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 200, pl. 33, f. 1 (1877).

a. Van Diemen's Land. b. New Holland.

780. Hecatesia exultans.

Hecatesia exultans. Walker: xxxi. 58 (1864).
———— Boisd.: Mon. Agaristides Zool., 1874, p. 24.
———— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 200 (1877).

Type. Swan River, in B. M.
a. West Australia.

781. Hecatesia thyridion.

Hecatesia thyridion. Feisthamel: Voy. de la Fav., v. Suppl., p. 19, pl. 5, f. 1 (1839).
———— White: Append. Grey's Journ. Exped. Disc., Austral., p. 475, pl. 8, f. 1 (1841).
———— Walker: i. 5 (1854).
———— Boisd.: Mon. Agaristides Zool., 1874, p. 24.
———— Westwood: Trans. Linn. Soc., Lond. (2), i. p. 200 (1877).

a. West Australia (3). b. Swan River (2). c. Albany.

Family **ARCTIIDÆ.**

Genus **RHODOGASTRIA.** Hübner: Verz. Schm., p. 172 (1816).

782. Rhodogastria astræa.

Sphinx astreus. Drury: Ins. ii. pl. 28, f. 4 (1773).
Amerila astræa. Moore: P. Z. S., Lond., 1867, p. 682.
Rhodogastria astræa. Moore: Lep. Ceylon, ii. p. 76, pl. 108, f. 1, 1 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 120. 764 (1887).
Phalæna melanthus. Cramer: Pap. Exot., iii. pl. 286, f. B (1780).
Rhodogastria melanthus. Hübner: Verz. Schm., p. 172 (1816).
Amerila melanthus. Walker: iii. 727 (1855).
———— Snellen: Tijd. voor Ent., 1879, p. 102.
Creatonotos communis. Walker: xxxi. 283 (1864).

a. India. b. Sylhet. c. Ceylon. d. Bouru (type *communis*) (Wallace).

783. Rhodogastria fraterna.

Rhodogastria fraterna. Moore: Trans. Ent. Soc., Lond., 1884, p. 356.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 294.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 120. 765 (1887).

Type. Bombay, in coll. Moore.
a. Koorg (3). b. India (Hearsay).

784. Rhodogastria arthus-bertrand.

Lithosia arthus-bertrand. Guér.: Voy. Duperry, Atlas Ins., pl. 19, f. 5 (1826).
Creatonotos caudipennis. Walker: xxxi. 284 (1864).
Amerila piepersii. Snellen: Tijd. voor Ent., 1879, p. 102, pl. 8, f. 4.

a. Aru (♂ ♀ types *caudipennis*) (Wallace).

785. Rhodogastria crockeri.

Euprepia crockeri. McLeay: King's Survey of Western Australia, p. 220 (1827).
Amerila brachyleuca. Meyrick: Proc. Linn. Soc., N. S. W. (2), i. p. 765 (1886).

a. Moreton Bay.

Genus **ALOA**. Walker: iii. 699 (1855).

786. Aloa lactinea.

Phalæna lactinea. Cramer: Pap. Exot., ii. pl. 133, f. D (1777).
Estigmene lactinea. Hübner: Verz. Schm., p. 184 (1816).
Aloa lactinea. Walker: iii. 702 (1855).
——————— Snellen: Tijd. voor Ent., 1879, p. 101.
——————— Leech: P. Z. S., Lond., 1888, p. 620.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 128. 818 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 186.
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 151 (1891).
Areas lactinea. Butler: Cist. Ent., ii. p. 22 (1875).
Bombyx sanguinolenta. Fabr.: Ent. Syst., iii. p. 473 (1793).
Lithosia sanguinolenta. Don.: Ins. Ind., p. 83, pl. 53, f. 3 (1800).
Aloa sanguinolenta. Moore: Lep. Ceylon, ii. p. 74, pl. 108, f. 6, 6 *a* (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 296.
——————— P. Z. S., Lond., 1886, p. 487.

a. Central India (2). b. India (2) (Ashmol. Mus.). c. India (2) (Hearsay). d. Poona. e. Cambodia, Siam (Mouhot).

787. Aloa cardinalis.

Areas cardinalis. Butler: Cist. Ent., ii. p. 22 (1875).

Type. Philippines, in B. M.
a. Makessar, Celebes (2) (Wallace). b. Philippines.

788. Aloa collaris.

Aloa collaris. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 54, pl. 140, f. 18 (1891).

Type. Nilgiri Hills, in B. M.
a. India (Hearsay).

789. Aloa marginata.

Phalæna marginata. Don.: Epit. Ins., New Holl., pl. 34, f. 2 (1805).
Chelonia marginata. Boisd.: Voy. de l'Astrolabe, i, Lep., p. 215 (1832).
Aloa marginata. Walker: iii. 704 (1855).
Areas marginata. Butler: Cist. Ent., ii. p. 24 (1875).
Spilosoma marginata. Meyrick: Trans. Ent. Soc., Lond., 1889, p. 466.

a. Queensland. **b.** Moreton Bay. **c.** Australia (3) (Kirby).

790. Aloa gangara. n. sp.: Pl. IV. f. 2.

♂ ♀ White, antennæ and palpi black, a thin reddish band behind the head and another in front of thorax which has some brown longitudinal streaks, abdomen scarlet, with black bands, and a row of black spots on each side, and with some thickly disposed white hairs covering the base, wings white. Fore-wings with the costa and veins broadly brown, in some male specimens the vein streaks are so broadly brown as to make the wings look brown with white interspaces, the costal line is inwardly bordered with scarlet, and the brown on the median veinlets thicken into spots forming a discal row, sub-median vein white, on a brown band which fills nearly half the interspace above and all the space below it.

Hind-wings white with a large brown discal spot and a brown marginal continuous band, which runs in a paler form up the abdominal margin.

Underside, white, face scarlet, abdomen with two rows of black spots; wings white, costa of fore-wings scarlet, both wings with a large brown spot at end of cells, fore-wings with brown streaks on the outer margin, hind-wings with brown bands; legs streaked with scarlet, tarsi black, with white marks.

Expanse of wings $1\frac{9}{10}$ to $2\frac{2}{10}$ inches.

a. Australia (♂ type). **b.** New Holland (♀ type). **c.** Australia. **d.** King George's Sound.

Allied to *A. marginata* (Don.), but can easily be distinguished by its broad brown vein stripes on fore-wings.

791. Aloa corsima. n. sp.: Pl. IV. f. 1.

♂ White tinged with ochreous, antennæ and palpi black, base of antennæ scarlet, a scarlet band behind the head, another in front of thorax, which has a black spot on each side, abdomen scarlet with black bands and black spots down each side. Fore-wings with scarlet costal band, a black spot at base, a band of black spots before the middle, two at end of cell, a discal row, more or less confluent, running parallel with outer margin which has a similar row, and between them three more black spots, 1st on costa, 2nd above, and 3rd below the middle.

Hind-wings more ochreous than fore-wings, a large black discal spot and a black marginal band, divided in the sub-median interspace and at end of sub-costal veinlet.

Underside, body and wings ochreous cream colour, abdomen with a row of black spots on each side, the lowest one largest, costal and wing markings as above, face scarlet, legs streaked with scarlet, tarsi black with pale yellowish bands.

Expanse of wings $1\frac{6}{10}$ inches.

a. Port Essington (type).

792. Aloa emittens.

Creatonotos emittens. Walker: iii. 638 (1855).
——— Moore: Cat. Lep. E. I. C., ii. p. 363 (1859).
——— Lep. Ceylon, ii. p. 74, pl. 108, f. 3, 3*a* (1882).
Aloa emittens. Butler: Cist. Ent., ii. p. 24 (1875).
——— P. Z. S., Lond., 1881, p. 614.
——— Swinhoe: P. Z. S., Lond., 1885, p. 296.
——— P. Z. S., Lond., 1886, p. 437.
——— Cotes and Swinh.: Cat. Moths of India, ii. 127. 816 (1887).
Aloa diminuta. Walker: iii. 705 (1855).
——— Butler: Cist. Ent., ii. p. 24 (1875).
——— Ill. Typ. Lep. Het., B. M., v. p. 30, pl. 85, f. 5 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 127. 815 (1887).
Spilosoma strigata. Walker: Char. Undescr. Lep. Het., p. 10 (1869).

Type. Ceylon, in B. M.
Type (*diminuta*). N. India, in B. M.
Type (*strigata*). Benares, in Devon and Exeter Mus.
a. Ceylon (Thwaites). b. Bombay (2). c. Nilgiri Hills.

793. Aloa punctistriga.

Spilosoma punctistriga. Walker: iii. 676 (1855).
Aloa punctistriga. Butler: Cist. Ent., ii. p. 24 (1875).
——— ——— Ill. Typ. Lep. Het., B. M., v. p. 30, pl. 85, f. 6 (1882).
——— Swinhoe: P. Z. S., Lond., 1885, p. 296.
——— P. Z. S., Lond., 1886, p. 437.
——— Cotes and Swinh.: Cat. Moths of India, ii. 128. 821 (1887).
Aloa candidula. Walker: iii. 704 (1855).
——— Butler: Cist. Ent., ii. p. 24 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 127. 813 (1887).
Creatonotos rubricosta. Moore: P. Z. S., Lond., 1872, p. 573.
——— Cotes and Swinh.: Cat. Moths of India, ii. 124. 788 (1887).
Aloa rubricosta. Butler: Cist. Ent., ii. p. 24 (1875).

Type. North India, in B. M.
Type (*candidula*). Nepal, in B. M.
a. Bombay. b. Bombay (type *rubricosta*). c. India (7).

GENUS **CREATONOTOS.** Hübner: Verz. Schm. p. 169 (1816).

794. Creatonotos interrupta.

Phalæna interrupta. Linn.: Syst. Nat. Phal., i. v. 2553. 116 (1767).
——— Cramer: Pap. Exot., ii. pl. 185, f. E (1777).
Creatonotos interrupta. Hübner: Verz. Schm. p. 170 (1816).
——— Walker: iii. 638 (1855).
——— Butler: Cist. Ent., ii. p. 25 (1875).
——— Moore: Cat. Lep. E. I. C., ii. p. 362, pl. 17, f. 1, 1 *a* (1859) (larva).
——— Lep. Ceylon, ii. p. 73, pl. 108, f. 5 *a* (1882).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 396 (larva).
——— Swinhoe: P. Z. S., Lond., 1885, p. 296.
——— P. Z. S., Lond., 1886, p. 437.
——— Cotes and Swinh.: Cat. Moths of India, ii. 124. 787 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 185.
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 147 (1891).
Phissama interrupta. Snellen: Tijd. voor Ent., 1879, p. 101.
——— Pagenstecher: Beitr. zur Lep. Faun. Mal. in Jahrb. Nass. Naturk., 1885, p. 15.
Bombyx francisca. Fabr.: Mant. Ins., ii. p. 131. 200 (1787).
——— Ent. Syst., iii. i. p. 480 (1793).

a. India (4). **b.** Ceylon (2). **c.** Nilgiri Hills. **d.** Makessar, Celebes (Wallace).

GENUS **PHISSAMA.** Moore: Cat. Lep., E. I. C., ii. p. 362 (1859).

795. Phissama transiens.

Spilosoma transiens. Walker: iii. 675 (1855).
Phissama transiens. Moore: Cat. Lep. E. I. C., ii. p. 362 (1859).
——— Walker: xxxi. 298 (1864).
——— Butler: Cist. Ent., ii. p. 36 (1875).
——— Swinhoe: P. Z. S., Lond., 1885, p. 295.
——— Cotes and Swinh.: Cat. Moths of India, ii. 120. 762 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 184.
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 138 (1891).
Amphissa vacillans (♂). Walker: iii. 685 (1855).
Aloa vacillans (♀). Walker: vii. 1702 (1856).
Phissama vacillans. Moore: Cat. Lep. E. I. C., ii. p. 362, pl. 9 *a*, f. 14 (1859).
——— Walker: xxxi. 298 (1864).
——— Snellen: Tijd. voor Ent., 1879, p. 101.

Phissama vacillans. Cotes and Swinh.: Cat. Moths of India, ii. 120. 763 (1887).

Type. North India, in B. M.
Type (*vacillans*). Hong Kong, in B. M.
a. India (3). b. Assam (2) (Jenkins). c. Nilgiri Hills. d. Cambodia, Siam (Mouhot). e. Singapore (Wallace). f. Java (Horsfield). g. Sarawak, Borneo (2) (Wallace). h. Makessar, Celebes (Wallace).

Genus **RAJENDRA.** Moore: Descr. Ind. Lep. Ath., i. p. 43 (1878).

796. Rajendra vittata.

Rajendra vittata. Moore: P. Z. S., Lond., 1879, p. 396, pl. 32, f. 12.
——— Cotes and Swinh.: Cat. Moths of India, ii. 125. 797 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 185.
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 150 (1891).

Type. Burma, in coll. Moore.
a. Burma.

797. Rajendra biguttata.

Aloa biguttata. Walker: iii. 707 (1855).
Rajendra biguttata. Swinhoe: P. Z. S., Lond., 1885, p. 296.
——— Cotes and Swinh.: Cat. Moths of India, ii. 124. 789 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 148 (1891).
Spilosoma lativitta. Moore: P. Z. S., Lond., 1865, p. 809.
——— Walker: xxxv. 1907 (1866).
Spilarctia lativitta. Butler: Cist. Ent., ii. p. 40 (1875).
Rajendra lativitta. Moore: P. Z. S., Lond., 1879, p. 396.
——— Descr. Ind. Lep. Atk., i. p. 43 (1879).
——— Cotes and Swinh.: Cat. Moths of India, ii. 124. 792 (1887).

Type. Canara, in B. M.
Type (*lativitta*). Darjiling, in coll. Moore.
a. Ceylon.

798. Rajendra dentata.

Aloa dentata. Walker: iii. 708 (1855).
Rajendra dentata. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 149 (1891).
Aloa khandalla. Moore: Cat. Lep. E. I. C., ii. p. 361, pl. 9*a*, f. 13 (1859).
Rajendra khandalla. Swinhoe: P. Z. S., Lond., 1885, p. 296.
——— Cotes and Swinh.: Cat. Moths of India, ii. 124. 791 (1887).

Type. Without locality, in B. M.
Type (*khandalla*). Khandall Hill, Bombay, in B. M.
a. Bombay (2).

799. Rajendra tripartita.

Aloa tripartita. Walker: iii. 706 (1855).
Rajendra tripartita. Butler: Ill. Typ. Lep. Het., B. M., v. p. 35, pl. 86, f. 4 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 125. 796 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 185.

Type. North India, in B. M.
a. India (2).

800. Rajendra sipahi.

Aloa sipahi. Moore: P. Z. S., Lond., 1872, p. 573.
Rajendra sipahi. Cotes and Swinh.: Cat. Moths of India, ii. 125. 795 (1887).

a. Bombay (type). b. Bombay.

GENUS **ÆTHALIDA**. Walker: xxxi. 320 (1864).

801. Æthalida distinguenda. Pl. IV. f. 3.

Æthalida distinguenda. Walker: xxxi. 321 (1864).
Meringocera plutonica. Felder: Reise Nov. Lep., pl. 101, f. 11 (1868).

a. Menado, Celebes (type) (Wallace). b. Bachian (Wallace).

GENUS **PANGORA**. Moore: Descr. Ind. Lep. Atk., i. p. 42 (1879).

802. Pangora erosa.

Aloa erosa. Walker: iii. 708 (1855).
Pangora erosa. Moore: Lep. Ceylon, ii. p. 72, pl. 107, f. 1, 1 *a*, 1 *b* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 122. 776 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 144 (1891).

Type. Without locality, in B. M.
a. Ceylon.

GENUS **AREAS**. Walker: iii. 658 (1855).

803. Areas orientalis.

Areas orientalis. Walker: iii. 658 (1855).
——————— Butler: Cist. Ent., ii. p. 21 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 127. 812 (1887).

Type. North India, in B. M.
a. Assam (2). b. Khasia Hills. c. Sarawak, Borneo (2) (Wallace). d. Penang.

804. Areas imperialis.

Euprepia imperialis. Kollar: Kasch. von Hüg., iv. p. 466, pl. 21, f. 1 (1848).

Hypercompa imperialis. Walker: iii. 655 (1855).
——————— Moore: P. Z. S., Lond., 1867, p. 682.
Areas imperialis. Butler: Cist. Ent., ii. p. 21 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 127. 810 (1887).

a. India (Hutton). b. India (Mortimer Slater). c. India (2).

805. Areas sparsalis. Pl. IV. f. 4.

Areas sparsalis. Walker: xxxi. 287 (1864).

a. Tondano (type) (Wallace).

806. Areas conflictalis. Pl. IV. f. 5.

Areas conflictalis. Walker: xxxi. 286 (1864).

a. Bachian (type) (Wallace).

807. Areas rudis. Pl. IV. f. 6.

Areas rudis. Walker: xxxi. 287 (1864).

a. Makessar, Celebes (type) (Wallace).

GENUS **HYPERCOMPA.** Steph.: Ill. Brit. Ent. Haust., ii. p. 67 (1829).

808. Hypercompa principalis.

Euprepia principalis. Kollar: Kasch. von Hüg., iv. p. 465, pl. 20, f. 2 (1848).
Hypercompa principalis. Walker: iii. 653 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 126. 806 (1887).
——————— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 122, pl. 138, f. 3 (larva) (1889).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 185.

a. India (2). b. India (Hutton). c. India (Mortimer Slater).

809. Hypercompa plagiata.

Hypercompa plagiata. Walker: iii. 655 (1855).
——————— Moore: P. Z. S., Lond., 1867, p. 681.
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 28, pl. 85, f. 1 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 126. 805 (1887).

Type. Sylhet, in B. M.

a. India (3) (Ashmol. Mus.). b. Assam (2) (Jenkins). c. Sylhet.

810. Hypercompa equitalis.

Euprepia equitalis. Kollar: Kasch. von Hüg., iv. p. 465, pl. 20, f. 3 (1848).

Hypercompa equitalis. Walker: iii. 654 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 125. 799 (1887).

a. India (3). b. India (2) (Hutton).

GENUS **GONERDA.** Moore: P. Z. S., Lond., 1879, p. 395.

811. Gonerda perornata.

Gonerda perornata. Moore: P. Z. S., Lond., 1879, p. 395, pl. 32, f. 2.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 119. 755 (1887).

Type. Cashmere, in coll. Moore.
a. India (Hewitson).

GENUS **PHAOS.** Walker: iii. p. 627 (1855).

812. Phaos interfixa.

Phaos interfixa. Walker: iii. 627 (1855).

Type. Van Diemen's Land, in B. M.
a. Van Diemen's Land (6).

813. Phaos fuscinula.

Arctia fuscinula. Walker: iii. 616 (1855).

Type. Sydney, in B. M.
a. New South Wales.

814. Phaos vigens.

Phaos vigens. Butler: P. Z. S., Lond., 1878, p. 383.

Type. Tasmania, in B. M.
a. New Holland (2). b. Van Diemen's Land (2).

815. Phaos lacteatum.

Phaos lacteatum. Butler: P. Z. S., Lond., 1878, p. 384.

Type. Moreton Bay, in B. M.
a. New South Wales.

816. Phaos vittata.

Arctia vittata. Möschler: Stett. Ent. Zeit., 1872, p. 351.
Phaos nexum. Butler: P. Z. S., Lond., 1878, p. 384.

Type (*nexum*). Victoria, in B. M.
a. New South Wales (2). b. Australia.

GENUS **ALOPE.** Walker: iii. 619 (1855).

817. Alope ricini.

Bombyx ricini. Fabr.: Syst. Ent., p. 583 (1775).
——————— Ent. Syst., iii. 1, p. 473 (1793).
Alope ricini. Moore: Lep. Ceylon, ii. p. 70, pl. 106, f. 2, 2 *a*, 2 *c* (1882).

Alope ricini. Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 395 (larva).
———— Swinhoe: P. Z. S., Lond., 1885, p. 295.
———— P. Z. S., Lond., 1886, p. 437.
———— Cotes and Swinh.: Cat. Moths of India, ii. 122. 780 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 145 (1891).
Alope ocellifera. Walker: iii. 620 (1855).

Type (*ocellifera*). North India, in B. M.
a. India (8). b. India (2) (Hearsay). c. Central India.
d. Nilgiri Hills. e. Sylhet.

818. Alope clavatus.

Alope clavatus. Swinhoe: P. Z. S., Lond., 1885, p. 295.
———— Cotes and Swinh.: Cat. Moths of India, ii. 122. 778 (1887).

Type. Poona, in B. M.
a. Bombay (2).

GENUS **NAYACA.** Moore: Descr. Ind. Lep. Atk., i. p. 43 (1879).

819. Nayaca imbuta.

Arctia imbuta. Walker: iii. 614 (1855).
———— Moore: P. Z. S., Lond., 1867, p. 682.
Pericallia imbuta. Butler: Cist. Ent., ii. p. 29 (note) (1875).
Nayaca imbuta. Moore: Descr. Ind. Lep. Atk., i. p. 43 (1879).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 33, pl. 86, f. 1 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 133. 860 (1887).

Type. Himalaya Mountains, in B. M.
a. India (6).

820. Nayaca abdominalis.

Alphœa abdominalis. Moore: P. Z. S., Lond., 1867, p. 682.
Nayaca abdominalis. Cotes and Swinh.: Cat. Moths of India, ii. 133. 856 (1887).

Type. Darjiling, in coll. Moore.
a. India (3).

821. Nayaca fulvohirta.

Alphœa fulvohirta. Walker: iii. 684 (1855).
———— Butler: Cist. Ent., ii. p. 28 (1875).
———— Ill. Typ. Lep. Het., B. M., v. p. 31, pl. 85, f. 8 (1881).
Nayaca fulvohirta. Cotes and Swinh.: Cat. Moths of India, ii. 133. 859 (1887).

Type. Without locality, in B. M.
a. India (3).

822. Nayaca leopardina.

Euprepia leopardina. Kollar: Kasch. von Hüg., iv. p. 467, pl. 21, f. 2 (1848).

Hypercompa leopardina. Walker: iii. 656 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 126. 802 (1887).
Arctia divisa. Walker: iii. 614 (1855).
Ardices divisa. Butler: Cist. Ent., ii. p. 28 (1875).
Nayaca divisa. Butler: Ill. Typ. Lep. Het., B. M., v. p. 33, pl. 86, f. 2 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 133. 857 (1887).

Type (*divisa*). Himalaya Mountains, in B. M.
a. India (5).

Genus **ARDICES.** Walker: iii. 709 (1855).

823. Ardices pallida.

Chelonia pallida. Doubleday: Eyre's Discov. Central Austral. App. p. 438, pl. 5, f. 3 (1845).
Spilosoma subocellatum. Walker: vii. 1697 (1856).
Ardices subocellata. Butler: Cist. Ent., ii. p. 28 (1875).

Type (*subocellatum*). Australia, in B. M.
a. Queensland (2). b. New Holland. c. Van Diemen's Land (4). d. New South Wales (2). e. Australia (2).

824. Ardices garida. n. sp.: Pl. IV. f. 7.

♀ Reddish brown; antennæ, palpi, frons, and thorax reddish brown; head white, thorax with whitish hairs behind and overlapping part of abdomen which is ochreous with black bands, the first two and last one very broad, the others very narrow, apex ochreous, extreme tip white. Fore-wings reddish brown, some white marks at extreme base, and a white costal sub-apical small spot. Hind-wings white, a large reddish brown spot at end of cell followed by three distorted, irregular macular bands more or less confluent, the 1st close to the spot, 2nd discal, 3rd marginal. Underside, wings as above, an additional pale spot on costa of fore-wings beyond the middle, body white, abdomen with brown bands, legs with reddish brown stripes, tarsi brown with pale bands.

Expanse of wings $1\frac{9}{10}$ inches.

a. Australia (type).

Genus **ALPENUS.** Walker: iii. 686 (1855).

825. Alpenus multiguttatus.

Hypercompa multiguttata. Walker: iii. 657 (1855).
Alpenus multiguttatus. Butler: Cist. Ent., ii. p. 34 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 129. 825 (1887).
———— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 120, pl. 138, f. 9 (larva) (1889).
Deiopeia spilosomoides. Walker: xxxi. 263 (1864).
Alpenus spilosomoides. Butler: Cist. Ent., ii. p. 34 (1875).

Alpenus spilosomoides. Butler: Ill. Typ. Lep. Het., B. M., v. p. 30, pl. 85, f. 7 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 129. 826 (1887).
Deiopeia pardalina. Walker: xxxi. 263 (1864).
Argina pardalina. Butler: Trans. Ent. Soc., Lond., 1877, p. 365.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 118. 747 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 183.

Type. Nepal, in B. M.
Type (*spilosomoides*). North India, in B. M.
a. India (3). b. Cambodia, Siam (type *pardalina*) (Mouhot).

826. Alpenus maculifascia.

Spilosoma maculifascia. Walker: iii. 676 (1855).
Alpenus maculifascia. Butler: Cist. Ent., ii. p. 34 (1875).

Type. Java in B. M.
a. Java (Horsfield).

827. Alpenus conspurcatus.

Spilosoma conspurcatum. Walker: vii. 1698 (1856).
Limantria parva. Walker: xxxii. 368 (1865).

Type. Java, in B. M.
a. Timor (type *parva*) (Wallace).

GENUS **ŒNOSANDA.** Walker: vii. 1713 (1856).

828. Œnosanda duponchelii.

Œnosanda duponchelii. Walker: vii. 1713 (1856).
Œnosanda boisduvalii. Newman: Trans. Ent. Soc., Lond. 1856, p. 286.

Type. Australia, in B. M.
a. Australia (Ashmol. Mus.). b. Van Diemen's Land (2).
c. New Holland. d. New South Wales.

GENUS **ALPHÆA.** Walker: iii. 863 (1855).

829. Alphæa quadriramosa.

Euprepia quadriramosa. Kollar: Kasch. von Hüg., iv. p. 468 (1848).
Spilosoma quadriramosa. Walker: iii. 675 (1855).
Sierarctia quadriramosa. Butler: Cist. Ent., ii. p. 26 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 128. 822 (1887).
——————— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 121, pl. 138, f. 1 (larva) (1889).
Spilarctia quadriramosa. Swinhoe: P. Z. S., Lond., 1885, p. 295.

a. India (2).

GENUS **THYRGORINA.** Walker: xxxi. 317 (1864).
Echlida. Walker: xxxii. 386 (1865).

830. Thyrgorina multivittata.

Spilosoma multivittata. Moore: P. Z. S., Lond., 1865, p. 808.

Spilosoma multivittata. Walker: xxxv. 1906 (1866).
Thyrgornia multivittata. Cotes and Swinh.: Cat. Moths of India, ii. 121. 768 (1887).

Type. Darjiling, in B. M.
a. India (2).

831. Thyrgorina rhodophila.

Spilosoma rhodophila. Walker: xxxi. 294 (1864).
Spilarctia rhodophila. Butler: Cist. Ent., ii. p. 40 (1875).
Icambosida rhodophila. Butler: Ill. Typ. Lep. Het., B. M., v. p. 29, pl. 85, f. 4 (1881).
Thyrgorina rhodophila. Cotes and Swinh.: Cat. Moths of India, ii. 121. 769 (1887).
Spilosoma rubidorsa. Moore: P. Z. S., Lond., 1865, p. 808.
——— Walker: xxxv. 1906 (1866).

Type. India, in coll. Stoudinger.
Type (*rubidorsa*). Darjiling, in coll. Moore.
a. India (3).

832. Thyrgorina unifascia.

Andala unifascia ♂. Walker: iii. 774 (1855).
——— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 120, pl. 138, f. 11 (larva), (1889).
Hyphantria unifascia. Cotes and Swinh.: Cat. Moths of India, ii. 121. 772 (1887).
Alphœa varia ♀. Walker: xxxi. 297 (1864).
Ardices varia. Butler: Cist. Ent., ii. p. 29 (1875).
——— Cotes and Swinh.: Cat. Moths of India, ii. 133. 861 (1887).

Type (*varia*). Mussouri, in B. M.
a. India (type). b. India (2).

833. Thyrgorina subjecta.

Echlida subjecta. Walker: xxxii. 387 (1865).
——— Cotes and Swinh.: Cat. Moths of India, ii. 161. 1070 (1887).
Thyrgorina subjecta. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 141 (1891).

Type. South India, in B. M.
a. Nilgiri Hills (2).

GENUS **ICAMBOSIDA.** Walker: xxxii. 400 (1865).

834. Icambosida nigrifrons.

Icambosida nigrifrons. Walker: xxxii. 401 (1865).
——— xxxv. 1918 (1866).
——— Butler: Cist. Ent., ii. p. 29 (1875).
——— Ill. Typ. Lep. Het., B. M., v. p. 20, pl. 85, f. 3 (1881).

Icambosida nigrifrons. Cotes and Swinh.: Cat. Moths of India, ii. 134. 862 (1887).

Type. India, in coll. Stoudinger.
a. India (2).

GENUS **SPILARCTIA.** Butler: Cist. Ent., ii. p. 40 (1875), and Ill. Typ. Lep. Het., B. M., iii. p. 6 (1879).

835. Spilarctia comma.

Aloa comma. Walker: vii. 1703 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 127. 814 (1887).
Spilosoma abdominalis. Moore: Cat. Lep. E. I. C., ii. p. 356 (1859).
———— Walker: xxxi. 291 (1864).
Spilarctia abdominalis. Butler: Cist. Ent., ii. p. 42 (1875).
———— Ill. Typ. Lep. Het., B. M., v. p. 31, pl. 85, f. 9 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 129. 827 (1887).

Type (*abdominalis*). India, in B. M.
a. India (type).

836. Spilarctia confusa.

Spilarctia confusa. Butler: Cist. Ent., ii. p. 42 (1875).
———— Ill. Typ. Lep. Het., B. M., v. p. 33. pl. 85, f. 13 (1881).
———— Swinhoe: P. Z. S., Lond., 1885, p. 295.
———— Cotes and Swinh.: Cat. Moths of India, ii. 130. 830 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 155 (1891).
Spilarctia howra. Moore: Descr. Ind. Lep. Atk., i. p. 40 (1879).
———— Cotes and Swinh.: Cat. Moths of India, ii. 130. 836 (1887).

Type. N. India, in B. M.
Type (*howra*). Calcutta, in coll. Moore.
a. India (2) (Hearsay). b. India (14). c. Central India.

837. Spilarctia obliqua.

Spilosoma obliqua. Walker: iii. 679 (1855).
Spilarctia obliqua. Butler: Cist. Ent., ii. p. 41 (1875).

Type. Sydney, in B. M.
a. Australia. b. New South Wales (2).

838. Spilarctia stigmata.

Spilosoma stigmata. Moore: P. Z. S., Lond., 1865, p. 809.
———— Walker: xxxv. 1907 (1866).
Spilarctia stigmata. Butler: Cist. Ent., ii. p. 40 (1875).
———— Cotes and Swinh.: Cat. Moths of India, ii. 131. 845 (1887).

Type. Darjiling, in coll. Moore.
a. India.

839. Spilarctia mollicula.

Spilarctia mollicula. Butler: Ill. Typ. Lep. Het., B. M., iii. p. 6, pl. 42, f. 7 (1879).

Type. Hakodaté, in B. M.
a. Japan.

840. Spilarctia seriatopunctata.

Arctia seriatopunctata. Motsch.: Et. Ent., 1860, p. 31.
Spilosoma seriatopunctata. C. Oberthür: Diagn. Lep. Ask., p. 6 (1879).
——————— Leech: P. Z. S., Lond., 1888, p. 618.

a. Japan (2).

841. Spilarctia rubitincta.

Spilosoma rubitincta. Moore: P. Z. S., Lond., 1865, p. 809.
Spilarctia rubitincta. Butler: Cist. Ent., ii. p. 43 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 131. 843 (1887).

Type. Darjiling, in coll. Moore.
a. India.

842. Spilarctia casigneta.

Euprepia casigneta. Kollar: Kasch. von Hüg., iv. p. 469 (1884).
Spilosoma casigneta. Walker: iii. 676 (1855).
Spilarctia casigneta. Butler: Cist. Ent., ii. p. 43 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 129. 829 (1887).

a. India.

843. Spilarctia sanguinalis.

Spilosoma sanguinalis. Moore: P. Z. S., Lond., 1865, p. 810.
——————— Walker: xxxv. 1907 (1866).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 120. 760 (1887).

Type. Darjiling, in coll. Moore.
a. India (3).

844. Spilarctia gopara.

Spilosoma gopara. Moore: Cat. Lep. E. I. C., ii. p. 356, pl. 9 *a*, f. 11 (1859).
——————— Walker: xxxi. 291 (1864).
——————— Moore: P. Z. S., Lond. 1867, p. 682.
Spilarctia gopara. Cotes and Swinh.: Cat. Moths of India, ii. 130. 835 (1887).

Type. Darjiling, in B. M.
a. India.

845. Spilarctia todara.

Spilosoma todara. Moore: P. Z. S., Lond., 1872, p. 574.
Spilarctia todara. Butler: Cist. Ent., ii. p. 42 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 132. 848 (1887).

Spilarctia todara. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 154 (1891).

Type. Coonoor, Nilgiri Hills, in coll. Moore.
a. Nilgiri Hills (2).

846. Spilarctia rubilinea.

Spilosoma rubilinea. Moore: P. Z. S., Lond., 1865, p. 810.
— — — — — — Walker: xxxv. 1907 (1866).
Spilarctia rubilinea. Butler: Cist. Ent., ii. p. 44 (1875).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 131. 842 (1887).

Type. Darjiling, in coll. Moore.
a. India (2).

847. Spilarctia rubescens.

Spilosoma rubescens. Walker: iii. 677 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 119. 759 (1887).
Arctia rubescens. Butler: Cist. Ent., ii. p. 21 (1875).
Spilarctia rubescens. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 184.

Type. Maulmein, in B. M.
a. Sarawak, Borneo (2) (Wallace). b. Singapore (2) (Horsley).

GENUS **HYARIAS.** Gen. Nov.

Differs from the Genus *Spilarctia* in having serrated antennæ in the male, not pectinated as in *Spilarctia*; type, *metarhoda* (Walker).

848. Hyarias metarhoda.

Spilosoma metarhoda. Walker: vii. 1695 (1856).
Arctia eogena. Walker: xxxi. 280 (1864).
Areas semirosea. Butler: Ann. Mag. N. H. (5), xix. p. 217 (1887).

Type (*semirosea*). Soloman Islands, in B. M.
a. Manilla (type). b. Bachian (type *eogena*) (Wallace). c. Ceram (Wallace). d. Gilolo (Wallace). e. Mysol (Wallace). f. Ternate (3) (Wallace). g. Dorey (Wallace).

FAMILY **LYMANTRIIDÆ.**

GENUS **ADLULLIA.** Walker: xxxii. 392 (1865).
Gogana. Walker: xxxv. 1920 (1866).
Chærotricha. Felder: Reise Nov. Lep., pl. 98, f. 12 (1868).

849. Adlullia lunifera. Pl. VI. f. 3.

Adlullia lunifera. Walker: xxxii. 392 (1865).
a. Menado, Celebes (type) (Wallace).

850. Adlullia plana.

Euproctis plana. Walker: vii. 1731 (1856).
Chærotricha plana. Butler: Ill. Typ. Lep. Het., B. M., v. p. 51, pl. 89, f. 13 (1881).
———— Cotes and Swinh.: Cat. Moths of India, i. 148. 971 (1887).
———— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 123, pl. 138, f. 5 (larva) (1889).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 188.
Euproctis muelleri. Snellen: Tijd. voor Ent., 1877, p. 13, pl. 1, f. 5, 6.

Type. North India, in B. M.
a. India (2).

851. Adlullia varia.

Euproctis varia. Walker: iv. 840 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 348, pl. 9*a*, f. 5 (1859).
Artaxa varia. Moore: Trans. Linn. Soc., Lond., xxi. p. 55 (1886).
Chærotricha varia. Cotes and Swinh.: Cat. Moths of India, ii. 148. 974 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 188.

a. Without locality (type). b. East Indies (2) (Hutton). c. India.

852. Adlullia icilia.

Phalæna icilia. Stoll.: Cram. Pap. Exot., v. p. 158, pl. 35, f. 5 (1790).
Euproctis icilia. Walker: vii. 1730 (1856).
———— Cotes and Swinh.: Cat. Moths of India, ii. 144. 941 (1887).
Chærotricha icilia. Hampson: Ill. Typ. Lep. Het., B. M., viii. 7. 18 (1891).
Euproctis decussata. Swinhoe (nec Moore): P. Z. S., Lond., 1885, p. 297.

a. India. b. Nilgiri Hills. c. Ceylon (Thwaites).

853. Adlullia præcurrens.

Adlullia præcurrens. Walker xxxii. 392 (1865).
Chærotricha globifera. Felder: Reise Nov. Lep., pl. 98, f. 13 (1868).

a. Makian, Celebes (type) (Wallace).

854. Adlullia signata.

Adlullia (?) *signata.* Walker: xxxii. 393 (1865).

a. Menado, Celebes (type) (Wallace).

855. Adlullia innotata. Pl. VI. f. 1.

Adlullia (?) *innotata.* Walker: xxxii. 393 (1865).
Chærotricha conspersa. Felder: Reise Nov. Lep., pl. 98, f. 12 (1868).

a. Ternate (type) (Wallace).

856. Adlullia madana.

Euproctis madana. Moore: Cat. Lep. E. I. C., ii. p. 348 (1859).
———— Walker: xxxii. 345 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 680.

Euproctis madana. Cotes and Swinh.: Cat. Moths of India, ii. 145. 948 (1887).

Type. Darjiling, in B. M.

a. India (2).

857. Adlullia xanthomela. Pl. VI. f. 8.

Euproctis xanthomela. Walker: Journ. Linn. Soc., Lond., vi. p. 128 (1862).

——————————— xxxii. 346 (1865).

a. Sarawak, Borneo (type) (Wallace).

858. Adlullia divisa. Pl. VI. f. 14.

Euproctis divisa. Walker: Journ. Linn. Soc., Lond., vi. p. 129 (1862).

——————————— xxxii. 346 (1865).

a. Sarawak, Borneo (type) (Wallace).

859. Adlullia ochreata.

Euproctis ochreata. Walker: xxxii. 350 (1865).

a. Ceram (type) (Wallace). b. Ceram (Wallace).

860. Adlullia atrosquama.

Gogana atrosquama. Walker: xxxv. 1921 (1866).

Type. Philippine Islands, in B. M.

a. Philippines.

861. Adlullia boleora: n. sp. Pl. VI. f. 2.

♂ Brownish ochreous, abdomen blackish with a yellow apical tuft. Fore-wings covered with minute black irrorations, veins pale, a large round spot at the lower end of the cell. Hind-wings with the basal half blackish, outer half pale ochreous yellow. Underside, wings of a uniform pale ochreous, some blackish suffusion at the immediate base of both wings and on the abdominal margin of hind-wings, and a blackish spot at end of each cell.

Expanse of wings $1\frac{8}{10}$ inches.

a. Sarawak, Borneo (type) (Wallace).

Genus **ARTAXA.** Walker: iv. 794 (1855).

862. Artaxa guttata.

Artaxa guttata. Walker: iv. 795 (1855).

——————————— Warren: P. Z. S., Lond., 1888, p. 297.

——————————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 7. 168 (1891).

Artaxa digramma (*part*). Cotes and Swinh.: Cat. Moths of India, ii. 140. 908 (1887).

Type. Sylhet, in B. M.

a. India (7). b. Central India (5) (Hearsay). c. Bombay. d. Nilgiri Hills (3).

863. Artaxa lutea.

Bombyx lutea. Fabr.: Ent. Syst., iii. 1. 446 (1794).
——— Don.: Epit. Ins. New Holl., pl. 35 (1805).
Liparis lutea. Boisd.: Voy. de l'Astrolabe, i. Lep. 219. 5 (1832).
Euproctis (?) *lutea.* Walker: iv. 840 (1855).

Type. In Banksian Cabinet, B. M.
a. Queensland, Australia (2).

864. Artaxa semisignata.

Cispia semisignata. Walker: xxxii. 356 (1865).
——— Cotes and Swinh.: Cat. Moths of India, ii. 142. 927 (1887).
Artaxa leithiana. Moore: P. Z. S., Lond., 1879, p. 399, pl. 32, f. 9.
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 7. 174 (1891).
Chærotricha leithiana. Cotes and Swinh.: Cat. Moths of India, ii. 148. 968 (1887).

Type. South India, in B. M.
Type (*leithiana*). Bombay, in coll. Moore.
a. Poona (2). b. Bombay (2). c. India (3). d. Ceylon (Thwaites).

865. Artaxa varians.

Artaxa varians. Walker: iv. 796 (1855).
——— Moore: P. Z. S., Lond., 1878, p. 848.
——— Swinhoe: P. Z. S., Lond., 1885, p. 298.
——— Cotes and Swinh.: Cat. Moths of India, ii. 141. 921 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 187.

Type. China, in B. M.
a. Poona. b. Bombay.

866. Artaxa lutescens.

Euproctis lutescens. Walker: iv. 837 (1855).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 51, pl. 89, f. 10 (1881).
——— Moore: Lep. Ceylon, ii. p. 90, pl. 113, f. 1 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 145. 947 (1887).

Type. North India, in B. M.
a. Poona.

867. Artaxa inconcisa.

Artaxa inconcisa. Walker: xxxii. 332 (1865).
——— Cotes and Swinh.: Cat. Moths of India, ii. 140. 913 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India (2).

868. Artaxa transversa.

Artaxa transversa. Moore: Cat. Lep. E. I. C., ii. p. 352, pl. 9 a, f. 8 (1859).
———— Walker: xxxii. 330 (1865).
Euproctis guttistriga. Walker: Journ. Linn. Soc., Lond., vi. p. 129 (1862).
———— ———— xxxii. 346 (1865).

Type. Java, in B. M.

a. Sarawak, Borneo (type ♂ *guttistriga*) (Wallace). b. Sarawak, Borneo ♀ (Wallace).

869. Artaxa signiplaga. Pl. VI. f. 9.

Artaxa signiplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 125 (1862).
———— ———— xxxii. 331 (1865).

a. Sarawak, Borneo (type) (Wallace).

870. Artaxa repanda.

Euproctis repanda. Walker: xxxii. 351 (1865).

a. Makian, Celebes (type ♂) (Wallace). b. Makian, Celebes (Wallace).

871. Artaxa munda.

Euproctis munda. Walker: Journ. Linn. Soc., Lond., vi. p. 129 (1862).
———— ———— xxxii. 346 (1865).

Type. Sarawak, Borneo, in B. M.

a. Sarawak, Borneo (2) (Wallace). b. Singapore (Horsley).

872. Artaxa ruptata. Pl. VI. f. 12.

Artaxa ruptata. Walker: Journ. Linn. Soc., Lond., vi. p. 126 (1862).
———— ———— xxxii. 331 (1865).

a. Sarawak, Borneo (type) (Wallace).

873. Artaxa pusilla.

Artaxa pusilla. Moore: Lep. Ceylon, ii. p. 86, pl. 112, f. 4 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 141. 917 (1887).
———— Swinh.: Trans. Ent. Soc., Lond., 1890, 187.
Euproctis pygmæa. Moore: Descr. Ind. Lep. Atk., i. p. 48 (1879) (nom. preoc.).
———— Butler: P. Z. S., Lond., 1883, p. 156 (note).
———— Swinhoe: P. Z. S., Lond., 1884, p. 515.

Type. Ceylon, in coll. Moore.

Type (*pygmæa*). Calcutta, in coll. Moore.

a. Karachi (5) (Swinhoe). b. Flores (2) (Wallace).

874. Artaxa cervina.

Artaxa cervina. Moore: Ann. Mag. N. H. (4), xx. p. 345 (1877).
———— ———— Lep. Ceylon, ii. p. 86, pl. 112, f. 3 (1882).
———— ———— Cotes and Swinh.: Cat. Moths of India, ii. 139. 906 (1887).

Type. Ceylon, in coll. Moore.

a. Ceylon (2) (Thwaites).

875. Artaxa lunata.

Euproctis lunata. Walker: iv. 837 (1855).
——— vii. 1731 (1856).
——— Moore: Cat. Lep. E. I. C., ii. p. 348, pl. 16, f. 2 (larva) (1859).
——— P. Z. S., Lond., 1867, p. 680.
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 50, pl. 89, f. 9 (1881).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 400, pl. 14, f. 5, 5 *c* (larva).
——— Swinhoe: P. Z. S., Lond., 1885, p. 298.
——— P. Z. S., Lond., 1886, p. 437.
——— Cotes and Swinh.: Cat. Moths of India, ii. 145. 946 (1887).

Type. North India, in B. M.
a. India (2). b. India (Walker's example, vol. vii. p. 1731, but it is ♀, not ♂). c. Central India (2). d. Bombay.

876. Artaxa singapura: n. sp. Pl. VI. f. 19.

♂ Antennæ, body, and fore-wings ochreous. Fore-wings crossed by two pale nearly straight parallel lines just before and just beyond the middle; these lines incline outwardly from the hinder margin and do not reach the costa, and make the wing look as if it had a central band. Hind-wings pale luteous, nearly white. Underside, coloured like hind-wings above; no other markings.

Expanse of wings $1\frac{1}{10}$ inches.

a. Singapore (type) (Wallace).

Allied to *A. lutea* (Fabr.): band on fore-wing somewhat similar, but *lutea* is of a dark ochreous yellow, colour on both wings and body being uniform throughout.

877. Artaxa vitellina.

Liparis vitellina. Kollar: Kasch. von Hügel, iv. p. 471 (1848).
Euproctis vitellina. Walker: iv. 838 (1855).
——— Swinhoe: P. Z. S., Lond., 1885, p. 298.
——— Cotes and Swinh.: Cat. Moths of India, ii. 146. 957 (1887).
Chærotricha vitellina. Butler: Ill. Typ. Lep. Het., B. M., vii. p. 122, pl. 138, f. 13 (larva), (1889).
Euproctis gamma. Walker: vii. 1731 (1856).
——— Moore: Cat. Lep. E. I. C., ii. p. 348 (1859).
——— Cotes and Swinh.: Cat. Moths of India, ii. 144. 940 (1887).
Artaxa princeps. Walker: xxxii. 331 (1865).
——— Cotes and Swinh.: Cat. Moths of India, ii. 141. 916 (1887).

Type (*gamma*). North India, in B. M.
Type (*princeps*). North India, in B. M.
a. India.

878. **Artaxa enunciativa.** n. sp.

♂ Of a uniform bright ochreous colour. Fore-wings with a cluster of black speckles forming a ringed spot at the end of the cell, two parallel ochreous grey transverse nearly straight lines or thin bands, one just before the middle running through the spot, the other beyond the middle, both inclining outwardly from the hinder margin ; these bands are slightly speckled with black, a sub-marginal band of black speckles and some black speckles on the hinder margin and on the long hairs of the fringe on this margin ; marginal line on both wings slightly darker than the wing colour. Hind-wings and underside unmarked.

Expanse of wings $1\frac{4}{10}$ inches.

a. Philippines (type). b. Philippines.

Example b is slightly different, being paler, the medial lines on fore-wing hardly visible, and a dark ochreous shade on the interior portion of the wing, but is evidently of the same species, not differing more than is usual in this Genus.

879. **Artaxa servilis.**

Euproctis servilis. Walker : xxxii. 350 (1865).
Darala prima. Walker : xxxv. 1917 (1866).

a. Celebes (type) (Wallace). b. Makessar, Celebes (type *prima*) (Wallace).

880. **Artaxa inturbida.**

Leucoma inturbida. Walker : xxxii. 345 (1865).
Artaxa megaxantha. Walker : xxxv. 1913 (1866).

a. Celebes (type ♀) (Wallace). b. Batchian (type *megaxantha* ♀) (Wallace).

Walker described both these types as males on account of their pectinated antennæ, but they are both fine specimens, and their divided frenulum and genital organs distinctly prove their sex.

881. **Artaxa intensa.**

Artaxa intensa. Butler : Ann. Mag. N. H. (4), xx. p. 402 (1877).
———————— Ill. Typ. Lep. Het., B. M., ii. p. 9, pl. 23, f. 12 (1878).
———————— Leech : P. Z. S., Lond., 1888, p. 623.

Type. Japan, in B. M.
a. Amoy, China (2). b. Assam.

GENUS **ARNA.** Walker : v. 1176 (1855).
Somena. Walker : vii. 1734 (1856).
Orvasca. Walker : xxxii. 502 (1865).

882. **Arna scintillans.**

Somena scintillans. Walker : xii. 1734 (1856).
———————— Moore : Lep. Ceylon, ii. p. 86, pl. 111, f. 3, 3 *a* (1882).
———————— Cotes and Swinh. : Cat. Moths of India, ii. 142. 924 (1887).

Artaxa scintillans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 52, pl. 90, f. 1 (1881).
———— Swinhoe: P. Z. S., Lond., 1885, p. 298.
———— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 123, pl. 138, f. 10 (larva), (1887).

Type. North India, in B. M.
a. India (3).

883. **Arna bipunctapex.**

Somena bipunctapex. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 57, pl. 140, f. 13 (1891).

Type. Nilgiri Hills, in B. M.
a. Nilgiri Hills. b. China.

884. **Arna apicalis.**

Arna apicalis. Walker: v. 1177 (1856).
Artaxa apicalis. Moore: Lep. Ceylon, ii. p. 85, pl. 111, f. 4, 4 *a*, 4 *b* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 139. 902 (1887).

Type. Ceylon, in B. M.
a. Ceylon (3) (Thwaites). b. India.

885. **Arna subnotata.**

Orvasca subnotata. Walker: xxxii. 502 (1865).
Somena subnotata. Moore: Lep. Ceylon, ii. p. 87, pl. 111, f. 1, 1 *a*, 1 *b* (1882).
———— Swinhoe: P. Z. S., Lond., 1884, p. 515.
———— Cotes and Swinh.: Cat. Moths of India, ii. 142. 925 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 187.

Type. India, in B. M.
a. Bombay.

886. **Arna irrorata.**

Somena irrorata. Moore: Lep. Ceylon, ii. p. 87, pl. 111, f. 2 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 142. 923 (1887).

Type. Ceylon, in coll. Moore.
a. Ceylon (5) (Thwaites).

887. **Arna limbata.**

Artaxa limbata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 53, pl. 90, f. 3 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 141. 915 (1887).

Type. Darjiling, in B. M.
a. India.

Genus **EUPROCTIS.** Hübner: Verz. Schm., p. 159 (1816).

888. Euproctis leucomelas.

Euproctis leucomelas. Walker: iv. 838 (1855).

Type. Van Diemen's Land, in B. M.

a. New South Wales. b. Van Diemen's Land (4). c. New Holland (15).

A very variable insect; typically they have a broad black border to both wings, and from this to a plain whitish unmarked insect there is every gradation.

889. Euproctis bigutta.

Euproctis bigutta. Walker: iv. 837 (1855).
- - - - - - - - Moore: Cat. Lep. E. I. C., ii. p. 349 (1859).
———————— Lep. Ceylon, ii. p. 90, pl. 112, f. 6 *a* (1882).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 143. 935 (1887).
———————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 188.
Euproctis biguttata. Moore: Trans. Linn. Soc., Lond., xxi. p. 55 (1886).
Euproctis celsa. Walker: xxxv. 1915 (1866).

Type. Kanara, in B. M.

Type (*celsa*). Philippine Islands, in B. M.

a. Philippines (3).

890. Euproctis bimaculata.

Euproctis bimaculata. Walker: iv. 836 (1855).
———————— Moore: Lep. Ceylon, ii. p. 89, pl. 112, f. 6, 6 *b* (1882).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 144. 936 (1887).

Type. Ceylon, in B. M.

a. Ceylon (2) (Thwaites).

891. Euproctis obsoleta.

Euproctis obsoleta. Walker (nec Fabr.): iv. 839 (1855).

a. Van Diemen's Land (10). b. New Holland (2). c. Adelaide.

Walker wrongly identified this insect as *obsoleta* (Fabr.: Ent. Syst., iii. i. 463), but the Fabrician type specimen which is in the Banksian Cabinet, B. M., though superficially like this insect, belongs to the Genus *Lælia*, and therefore Walker's name for the *Euproctis* can stand.

892. Euproctis fusipennis.

Euproctis fusipennis. Walker: Journ. Linn. Soc., Lond., vi. p. 128 (1862).
———————— xxxii. 346 (1865).

a. Sarawak, Borneo (type) (Wallace).

893. Euproctis melanosoma.

Porthesia melanosoma. Butler: Ann. Mag. N. H. (5), ix. p. 87 (1882).

Type. Melbourne, in B. M.

a. Van Diemen's Land. b. Australia.

894. Euproctis latifascia.

Leucoma latifascia. Walker: iv. 831 (1855).
Euproctis latifascia. Butler: Ill. Typ. Lep. Het., B. M., v. p. 51, pl. 89, f. 11 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 145. 945 (1887).

Type. Nepal, in B. M.

a. Kurseyong (Swinhoe). b. India (2).

GENUS **PERINA.** Walker: iv. 966 (1855).

895. Perina nuda.

Bombyx nuda. Fabr.: Mant. Ins., ii. p. 117 (1787).
Perina nuda. Moore: Lep. Ceylon, ii. p. 94, pl. 114, f. 1, 1 *a*, 1 *b* (1882).
——————— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 402, pl. 14, f. 7, 7 *a*, 7 *b*, and pl. 15. f. 6 *a–d* (larva).
——————— Cotes and Swinh.: Cat Moths of India, ii. 134. 867 (1887).
Perina basalis. Walker: iv. 966 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 349, pl. 16, f. 4 (larva) (1859).
——————— P. Z. S., Lond., 1878, p. 848.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 298.
——————— P. Z. S., Lond., 1886, p. 437.
Euproctis antica, var. Walker: iv. 835 ♀ (1855).
Euproctis combinata. Walker: xxxii. 347 (1865).
Stilpnotia subtincta. Walker: iv. 843 ♀ (1855).

Type (*basalis*). Nepal, in B. M.

Type (*combinata*). Hong Kong, in B. M.

a. India (2). b. India (type *subtincta*). c. Bombay (2).
d. China. e. Poona. f. Nilgiri Hills. g. Ceylon (2).

GENUS **PORTHESIA.** Steph.: Ill. Brit. Ent. Haust., ii. p. 65 (1829).

896. Porthesia virguncula.

Euproctis virguncula. Walker: iv. 836 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 349, pl. 16, f. 3, 3 *a* (larva) (1889).
——————— Snellen: Tijd. voor Ent., xx. p. 14, pl. 1, f. 7 (1877).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 143. 932 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 187.
Euproctis marginalis. Walker: vii. 1731 (1856).
——————— Moore: Trans. Linn. Soc., Lond., xxi. p. 55 (1886)
Porthesia marginalis. Butler: Ill. Typ. Lep. Het., B. M., v. p. 51, pl. 89 f. 12 (1881).

Porthesia marginalis. Swinhoe: P. Z. S., Lond., 1886, p. 438.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 143. 929 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 187.

Type. North India, in B. M.
Type (*marginalis*). North India, in B. M.
a. Central India (6) (Hearsay). b. India (2).

887. Porthesia xanthorrhæa.

Liparis xanthorrhœa. Kollar: Kasch. von Hügel, p. 470 (1848).
Euproctis xanthorrhœa. Walker: iv. 838 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 146. 958 (1887).
Euproctis subdita. Moore: P. Z. S., Lond., 1879, p. 400.
Porthesia subdita. Moore: Lep. Ceylon, ii. p. 89, pl. 112, f. 5, 5 *a* (1882).
——————— Cotes and Swinh.: l. c., 143. 930.
Euproctis flavonigra. Moore: P. Z. S., Lond., 1879, p. 400, pl. 32, f. 11.
——————— Cotes and Swinh.: l. c., 144. 939.
Euproctis subnigra. Moore: Descr. Ind. Lep. Atk., i. p. 48 (1879).

Type (*subdita*). Ceylon, in coll. Moore.
Type (*flavonigra*). Nepal, in coll. Moore.
Type (*subnigra*). Cherra Pungi, in coll. Moore.
a. Ceylon (3) (Thwaites). b. India.

A widespread and variable species, the several varieties occurring in many localities.

Genus **LÆLIA.** Stephens: Ill. Brit. Ent. Haust., ii., p. 62 (1829).
Charnidas. Walker: iv. 797 (1855).
Repena. Walker: iv. 800 (1855).
Lacida. Walker: iv. 802 (1855).
Procodeca. Walker: iv. 812 (1855).
Ricine. Walker: iv. 824 (1855).
Lælioides. Moore: Lep. Ceylon, ii. p. 84 (1882).

898. Lælia obsoleta.

Bombyx obsoleta. Fabr.: Ent. Syst., iii. 1. 463 (1793).
——————— Donovan: Epit. Ins. New Holl., pl. 35 (1805).
Liparis obsoleta. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 208 (1832).

Type in Banksian Cabinet, B. M.
a. Port Essington. b. Moreton Bay.

899. Lælia suffusa.

Ricine suffusa. Walker: iv. 824 (1855).
Procodeca angulifera. Walker: iv. 919 (1855).
——————— Moore: Trans. Ent. Soc., Lond., 1886, p. 55.
Lælia angulifera. Moore: Lep. Ceylon, ii. p. 83, pl. 110, f. 5, 5 *a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 137. 889 (1887).

Lælia angulifera. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 186.

Type. Java, in B. M.

Type (*angulifera*). Maulmein, in B. M.

a. Ceylon (Thwaites).

900. Lælia prolata. Walker, MS.

♂ White; palpi ochreous, antennæ greyish brown, head and fore-part of thorax ochreous. Fore-wings with the costa ochreous, both wings and the abdomen pure white and unmarked. Underside same as above, legs ochreous.

Expanse of wings $1\frac{3}{10}$ inches.

Type. India, in B. M.

a. India.

901. Lælia fasciata.

Lælioides fasciata. Moore: Lep. Ceylon, ii. p. 84, pl. 110, f. 6 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 137. 886 (1887).
Procodeca testacea. Moore: P. Z. S., Lond., 1872, p. 574.
———— Cotes and Swinh.: Cat. Moths of India, ii. 161. 1069 (1887).
Lælioides rubripennis. Moore: Trans. Ent. Soc., Lond., 1884, p. 358.
———— Cotes and Swinh.: Cat. Moths of India, ii. 137. 888 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 186.

Type. Ceylon, in coll. Moore.

Type (*rubripennis*). Burma, in coll. Moore.

a. India (type ♀ *testacea*).

Moore's male type does not now appear to be in the Museum collection. *Testacea* is pre-occupied in this Genus by Walker's *Cycnia testacea*, iii. 683 (1855), this species also belonging to the Genus *Lælia*.

902. Lælia litura.

Charnidas litura. Walker: iv. 797 (1855).
———— Moore: P. Z. S., Lond., 1867, p. 680.
———— Cotes and Swinh.: Cat. Moths of India, ii. 136. 880 (1887).

Type. Nepal, in B. M.

a. India.

903. Lælia exclamationis.

Euprepia exclamationis. Kollar: Kasch. von Hügel, iv. p. 469 (1848).
Phragmatobia exclamationis. Walker: iii. 631 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 123. 782 (1887).
Charnidas exclamationis. Butler: Ill. Typ. Lep. Het., B. M., vii. p. 123, pl. 138, f. 6 (larva) (1889).
———— Hampson: l. c., viii. 6. 163 (1891).
Repena cervina. Walker: iv. 800 (1855).
Lacida rotundata. Walker: iv. 802 (1855).

Charnidas rotundata. Moore: Lep. Ceylon, ii. p. 82, pl. 110, f. 4, 4*a* (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 299.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 136. 883 (1887).
Cycnia rubida. Walker: xxxi. 297 (1864).
Lymantria disjuncta. Walker: xxxii. 366 (1865).

Type (*rotundata*). Ceylon, in B. M.
Type (*rubida*). Ceylon, in coll. Layard.
Type (*disjuncta*). South India, in B. M.
a. India (3) (Hutton). b. Ceylon (7) (Thwaites). c. Ceylon (2) (Moseley). d. India (type *cervina*). e. Nilgiri Hills.

Genus **AROA.** Walker: iv. 791 (1855).

904. Aroa pyrrhochroma.

Aroa pyrrhochroma. Walker: xxxii. 329 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 156. 1033 (1887).

Type. Cherra Pungi, in coll. Stoudinger.
a. India (2).

905. Aroa socrus.

Gynæphora socrus. Geyr.: Zutr., iv. pl. 12, f. 419 (1837).
Aroa socrus. Walker: xxxii. 327 (1865).
——————— Moore: P. Z. S., Lond., 1867, p. 680.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 135. 869 (1887).
Aroa substrigosa. Walker: iv. 794 (1855).
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 54, pl. 90, f. 5 (1881).

Type (*substrigosa*). Sylhet, in B. M.
a. Amoy, China.

906. Aroa plana.

Orgyia plana. Walker: iv. 786 (1855).
Charnidas plana. Moore: Lep. Ceylon, ii. p. 82, pl. 110, f. 1, 1*a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 136. 882 (1887).
Aroa plana. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 158 (1891).
Charnidas junctifera. Walker: xxxii. 334 (1865).

Type. North India, in B. M.
Type (*junctifera*). Ceylon, in coll. Layard.
a. India (2). b. Nilgiri Hills (2).

907. Aroa sienna.

Aroa sienna. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 55, pl. 140, f. 2 and 9 (1891).

Type. Nilgiri Hills, in B. M.
a. Nilgiri Hills.

908. Aroa simplex.

Orgyia simplex. Walker: xxxii. 325 (1865).

Orgyia simplex. Cotes and Swinh.: Cat. Moths of India, ii. 136. 876 (1887).
Aroa simplex. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 162, pl. 143, f. 17 (1891).

Type. South India, in B. M.
a. India.

909. Aroa subnotata.

Lacida subnotata. Walker: iv. 803 (1855).
Charnidas subnotata. Moore: Lep. Ceylon, ii. p. 83 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 137. 884 (1887).
Aroa subnotata. Hampson: Ill. Typ. Lep. Het., B. M., viii. 6. 161 (1891).

Type. Ceylon, in B. M.
a. Ceylon (3) (Thwaites). b. Ceylon (Moseley).

910. Aroa clara.

Aroa clara. Swinhoe: P. Z. S., Lond., 1885, p. 299, pl. 20, f. 9, 10.
— ——— Cotes and Swinh.: Cat. Moths of India, ii. 156. 1032 (1887).

Type. Bombay, in B. M.
a. Bombay (2).

911. Aroa lithosioides.

Amsacta lithosioides. Walker: Journ. Linn. Soc., Lond., vi. p. 127 (1862).
——————————— xxxii. 337 (1865).

a. Sarawak, Borneo (type) (Wallace).

912. Aroa ochracea.

Charnidas ochracea. Moore: Descr. Ind. Lep. Atk., i. p. 44 (1879).
——————— ——— Cotes and Swinh.: Cat. Moths of India, ii. 136. 881 (1887).

Type. Calcutta, in coll. Moore.
a. Ceylon ♀ (Thwaites).

913. Aroa exoleta: n. sp. Pl. VI. f. 18.

♂ Rufous brown, palpi luteous, antennæ dark brown, head, thorax, and fore-wings of a uniform rufous brown. Fore-wings with a large prominent white spot in the centre of the cell and another at its end; abdomen and hind-wings reddish, the latter suffused with brown on the outer portions, both wings with pale reddish cilia. Underside of a uniform reddish colour tinged with luteous, with the two white spots on the fore-wings as above, and with a similar white spot at the end of the cell on the hind-wings.

Expanse of wings $1\frac{3}{10}$ inches.

a. Queensland (type).

GENUS **ORGYIA**. Ochs: Schm. von Eur., iii. p. 218 (1810).

914. Orgyia postica.

Lacida postica. Walker: iv. 803 (1855).

Orgyia postica. Moore: Lep. Ceylon, ii. p. 78, pl. 109, f. 1, 1*a*, 1*b* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 135. 875 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 186.

Type. Maulmein, in B. M.
a. Ceylon (Thwaites). b. Amoy, China.

915. Orgyia nebulosa.

Orgyia nebulosa. Walker: Journ. Linn. Soc., Lond., vi. p. 125 (1862).
———— xxxii. 323 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Philippines.

916. Orgyia osseata. Pl. VI. f. 16.

Orgyia osseata. Walker: Journ. Linn. Soc., Lond., vi. p. 125 (1862).
———— xxxii. 324 (1865).

a. Sarawak, Borneo (type) (Wallace).

917. Orgyia nigrocrocea.

Orgyia nigrocrocea. Walker: Journ. Linn. Soc., Lond., vi. p. 124 (1862).
———— xxxii. 323 (1865).

Type. Borneo, in B. M.
a. Sarawak, Borneo (Wallace).

918. Orgyia dimidiata. Pl. VI. f. 6.

Orgyia dimidiata. Walker: Journ. Linn. Soc., Lond., vi. p. 125 (1862).
———— xxxii. 324 (1865).

a. Sarawak, Borneo (type) (Wallace).

919. Orgyia varia. Pl. VI. f. 13.

Orgyia varia. Walker: Journ. Linn. Soc., Lond., vi. p. 125 (1862).
———— xxxii. 324 (1865).

a. Sarawak, Borneo (type) (Wallace).

920. Orgyia strigifimbria.

Lacida strigifimbria. Walker: Journ. Linn. Soc., Lond., vi. p. 126 (1862).
———— ———— xxxii. 336 (1865).

Type. Borneo, in B. M.
a. Sarawak, Borneo (Wallace).

921. Orgyia josiata.

Orgyia josiata. Walker: xxxii. 326 (1865).
———— Stretch: Cist. Ent., ii. p. 16 (1875).
Charotricha nobilis. Felder: Reise Nov. Lep., pl. 98, f. 17 (1868).

Type. Celebes, in B. M.
a. Makessar, Celebes (Wallace).

GENUS **ACYPHAS.** Walker: iv. 797 (1855).

922. Acyphas fulviceps.

Charnidas fulviceps. Walker: iv. 797 (1855

Acyphas fusca. Walker: iv. 798 (1855).
Type. Van Diemen's Land, in B. M.
Type (*fusca*). New Holland, in B. M.
a. Van Diemen's Land (2). b. New Holland (3).
Acyphas viridiscens (Walker, iv. 798) being a true *Orgyia*, *A. fusca* becomes the type of the Genus.

Genus **NEWMANIA**. Gen. Nov.

♂ Palpi upturned, reaching vertex of head, antennæ bipectinated, the branches rather short and nearly even throughout, mid and hind tibiæ with terminal pairs of spurs. Fore-wing with veins 2, 3, and 4 given off at even distances before angle of cell, 5 from the angle, 6 from upper angle, 9 rising from 10 and anastomosing with 7 and 8 to form the areole. Hind-wing with veins 2, 3, 4 at even distances before angle of cell, 5 from the angle, 6 and 7 on a short stalk, 8 remote from 7 and free from the base.

923. Newmania guénei.

Teara guénei. Newman: Trans. Ent. Soc., Lond., 1856, p. 284, pl. 8, f. 9.
a. Queensland.

Genus **ANTIPHA**. Walker: iv. 806 (1855).
Utidava. Walker: xxvi. 1689 (1862).

924. Antipha costalis.

Antipha costalis. Walker: iv. 806 (1855).
——— Moore: Lep. Ceylon, ii. p. 81, pl. 110, f. 2, 2*a*, 2*b* (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 157. 1041 (1887).
Lacida complens. Walker: xxxii. 336 (1865).
Rilia (?) *illepida.* Walker: xxxii. 436 (1865).
Utidava incomptaria. Walker: xxvi. 1689 (1862).
——— Cotes and Swinh.: Cat. Moths of India, iv. 547. 3690 (1888).
Type. Ceylon, in B. M.
Type (*complens*). Ceylon, in coll. Layard.
Type (*illepida*). Ceylon, in B. M.

Type (*incomptaria*). Ceylon, in B. M.
a. Ceylon (2) (Thwaites).

Genus **PANTANA.** Walker: iv. 819 (1855).

925. Pantana ampla.

Pantana ampla. Walker: iv. 820 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., iii. p. 9, pl. 43, f. 8, 9 (1879).

Type. Hong Kong, in B. M.
a. Amoy, China.

926. Pantana bicolor.

Orgyia bicolor. Walker: iv. 787 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 135. 873 (1887).

a. India (type).

927. Pantana delineata.

Genusa delineata. Walker: iv. 818 (1855).
———— Moore: P. Z. S., Lond., 1867, p. 679.
———— Cotes and Swinh.: Cat. Moths of India, ii. 138. 896 (1887).
Lælia delineata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 50, pl. 89, f. 8 (1881).
Genusa circumdata. Walker: iv. 819 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 138. 894 (1887).
Lælia circumdata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 50, pl. 89, f. 7 (1881).
Genusa comparata. Walker: xxxii. 340 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 679.
———— Cotes and Swinh.: Cat. Moths of India, ii. 138. 895 (1887).

Type. Sylhet, in B. M.
Type (*circumdata*). North India, in B. M.
Type (*comparata*). Darjiling, in coll. Stoudinger.
a. India (5).

928. Pantana interjecta.

Orgyia interjecta. Swinhoe: Trans. Ent. Soc., Lond., 1891, p. 478, pl. 19, f. 2.

Type. Khasia Hills, in B. M.
a. India (Ashmol. Mus.).

929. Pantana sinica.

Pantana sinica. Moore: Ann. Mag. N. H. (4), xx. p. 92 (1877).

Type. Shanghai, in coll. Moore.
a. North China.

930. Pantana baswana.

Pantana baswana. Moore: Cat. Lep. E. I. C., ii. p. 336, pl. ix *a*, f. 1 (1859).
———— Walker: xxxii. 339 (1865).

Type. Java, in B. M.
a. Java.

Genus **ETOBEMA.** Walker: xxxii. 388 (1865).

931. Etobema circumdata.

Etobema circumdata. Walker: xxxii. 388 (1865).
a. New Guinea (type) (Wallace).

932. Etobema lineosa.

Etobema lineosa. Walker: xxxii. 389 (1865).
Birnaria nubila. Butler: Trans. Linn. Soc., Lond. (2), i. p. 560 (1879).

Type (*nubila*). Malacca, in B. M.
a. Singapore (type) (Wallace). b. Malacca (2) (Wallace).

933. Etobema bicolor.

Pantana bicolor. Walker: iv. 820 (1855).

Type. Without locality, in B. M.
a. Borneo (2). b. Singapore.

Genus **COZISTRA.** Walker: xxxii. 342 (1865).

934. Cozistra delicatula.

Cypra delicatula. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 201, pl. 1, f. 3 (1832).
———— Walker: iv. 817 (1855).
Cozistra subnudata. Walker: xxxii. 342 (1865).
Cozistra membranacea. Felder: Reise Nov. Lep., pl. 104, f. 5 (1868).

a. Batchian (type *subnudata*) (Wallace). b. New Guinea (Wallace). c. Dorey (Wallace). d. Wagaiu (Wallace). e. Ceram (2) (Wallace). f. Mysol (3) (Wallace). g. Halmehira.

Genus **COZOLA.** Walker: xxxii. 390 (1865).

935. Cozola leucospila.

Cozola leucospila. Walker: xxxii. 390 (1865).
Chærotricha leucospila. Felder: Reise Nov. Lep., pl. 98, f. 16 (1868).

a. Makian, Celebes (type ♂) (Wallace). b. Menado, Celebes ♀ (Wallace).

936. Cozola submarginalis.

Cozola submarginalis. Walker: xxxii. 391 (1865).
a. Makian, Celebes (type) (Wallace).
The type is a female, not a male, as stated by Walker.

937. Cozola biplagiata.

Cozola (?) *biplagiata.* Walker: xxxii. 391 (1865).

a. Makian, Celebes (type ♀) (Wallace).

GENUS **LEUCOMA.** Steph.: Ill. Brit. Ent. Haust. ii. p. 64 (1829).
Redoa. Walker: iv. 826 (1855).
Sitvia. Walker: xxxii. 389 (1865).

938. Leucoma nivosa.

Leucoma nivosa. Walker: xxxii. 344 (1865).

a. Mount Ophir, Malacca (type ♀) (Wallace).
Walker described this as a male.

939. Leucoma niveata.

Euproctis niveata. Walker: xxxii. 350 (1865).

a. Makian, Celebes (type ♀) (Wallace).
Walker described this as a male.

940. Leucoma denudata.

Sitvia denudata ♂. Walker: xxxii. 388 (1865).
Leucoma auripes ♀. Butler: Ann. Mag. N. H. (4), xx. p. 402 (1877).
——————— Ill. Typ. Lep. Het., B. M., ii. p. 9, pl. 24, f. 1 (1878).

Type (*auripes*). Japan, in B. M.

a. Malacca (type) (Wallace). b. Borneo (3). c. Philippines (2).

941. Leucoma submarginata.

Redoa submarginata. Walker: iv. 826 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 336, pl. 14, f. 11, 11 *a* (larva) (1859).
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 48, pl. 89, f. 3 (1881).
——————— Moore: Lep. Ceylon, ii. p. 92, pl. 113, f. 4 (1882).
——————— Journ. As. Soc. Beng., liii. pt. 2, p. 235 (1884).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 159. 1055 (1887).

Type. Sylhet, in B. M.

a. Sylhet. b. Sarawak, Borneo (Wallace). c. Wagaiu.

942. Leucoma marginalis.

Redoa marginalis. Walker: Journ. Linn. Soc., Lond., vi. p. 128 (1862).
——————— xxxii. 343 (1865).

Type. Borneo, in B. M.

a. Sarawak, Borneo (Wallace).

943. Leucoma micacea.

Redoa micacea. Walker: Journ. Linn. Soc., Lond., vi. p. 127 (1862).
——— ——— xxxii. 343 (1865).

Type. Borneo, in B. M.
a. Sarawak, Borneo (Wallace).

944. Leucoma clara.

Redoa clara. Walker: xxxii. 343 (1865).

Type. India, in coll. Stoudinger.
a. India.

945. Leucoma intacta.

Redoa intacta. Walker: xxxv. 1914 (1866).

a. New Guinea (type).
The type is a female, not a male, as stated by Walker.

946. Leucoma perfecta.

Redoa perfecta. Walker: Journ. Linn. Soc., Lond., vi. p. 128 (1862).
——— xxxii. 343 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Ké Island (Wallace).
c. India.

947. Leucoma diaphana.

Redoa diaphana. Moore: Descr. Ind. Lep. Atk., i. p. 46 (1879).
——— Cotes and Swinh.: Cat. Moths of India, ii. 159. 1051 (1887).

Type. Darjiling, in coll. Moore.
a. India (Ashmol. Mus.).

948. Leucoma transiens.

Redoa transiens. Walker: Journ. Linn. Soc., vi. p. 128 (1862).
——— xxxii. 343 (1865).

Type. Borneo, in B. M.
a. Philippine Islands.

949. Leucoma sericea.

Redoa sericea. Moore: P. Z. S., Lond., 1877, p. 600.
——— Cotes and Swinh.: Cat. Moths of India, ii. 159. 1054 (1887).

Type. Port Blair, Andaman Islands, in B. M.
a. Nilgiri Hills (3). b. Ceylon.

950. Leucoma lobipennis: n. sp.

♂ Upper and underside silky white, wings unmarked, fore-wing triangular, hind-wing short, lengthened posteriorly and somewhat broadly lobular at the anal angle. Body white, antennæ ochreous, the shaft white; legs ochreous above, white beneath; palpi ochreous above, white beneath.

Expanse of wings $1\frac{5}{16}$ inches.

a. Dorey (type) (Wallace).

GENUS **KANCHIA**. Moore: Lep. Ceylon, ii. p. 93 (1882).

951. Kanchia subvitrea.

Leucoma subvitrea. Walker: xxxii. 344 (1865).
Kanchia subvitrea. Moore: Lep. Ceylon, ii. p. 93, pl. 113, f. 5 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 164. 1088 (1887).

Type. India, in B. M.
a. Ceylon (Thwaites).

GENUS **TRICHETRA**. Westw.: Intr. Class. Ins., p. 92 (1838).

952. Trichetra mesomelas.

Trichetra mesomelas. Walker: iv. 845 (1855).

Type. Van Diemen's Land, in B. M.
a. Van Diemen's Land (4). b. New Holland.

953. Trichetra fraterna.

Trichetra fraterna. Butler: Cist. Ent., ii. p. 204 (1877).

Type. New South Wales, in B. M.
a. New South Wales (2). b. New Holland.

954. Trichetra stibosoma.

Trichetra stibosoma. Butler: Cist. Ent., ii. p. 204 (1877).

Type. New South Wales, in B. M.
a. New Holland. b. Adelaide (4).

GENUS **CALTURA**. Moore: P. Z. S., Lond., 1879, p. 401.

955. Caltura alba.

Caltura alba. Moore: P. Z. S., Lond., 1879, p. 401.
———— Lep. Ceylon, ii. p. 98, pl. 114, f. 2, 2 *a*, 2 *b* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 163. 1085 (1887).

Type. Ceylon, in Dublin Mus.
a. Ceylon (16) (Thwaites).

956. Caltura puncticilia.

Naxa puncticilia. Moore: P. Z. S., Lond., 1872, p. 575.
———— Cotes and Swinh.: Cat. Moths of India, iv. 554. 3745 (1888).

a. Nilgiri Hills (types ♂ ♂).
These are both males, not male and female, as stated by Moore.

GENUS **CISPIA**. Walker: iv. 857 (1855).

957. Cispia punctifascia.

Cispia punctifascia. Walker: iv. 857 (1855).

Cispia punctifascia. Butler: Ill. Typ. Lep. Het., B.M., v. p. 53, pl. 90, f. 4 (1881).
———— Moore: Lep. Ceylon, ii. p. 91, pl. 113, f. 3 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 142. 926 (1887).

Type. Sylhet, in B. M.
a. India.

958. Cispia venosa.

Cispia venosa. Walker: Trans. Ent. Soc., Lond., (3), i. p. 264 (1862).
———— xxxii. 356 (1865).
———— Cotes and Swinh.: Cat. Moths of India, ii. 142. 928 (1887).

a. India (type). b. India.

GENUS **SCARPONA.** Walker: Journ. Linn. Soc., Lond., vi. p. 123 (1862).
Ciaca. Walker: xxxii. 397 (1865).

959. Scarpona ennomoides.

Scarpona ennomoides ♀. Walker: Journ. Linn. Soc., Lond., vi. p. 123 (1862).
———— xxxi. 317 (1864).
Ciaca urapterides ♂. Walker: xxxii. 397 (1865).

a. Sarawak, Borneo (type ♀) (Wallace). b. Sumatra (type ♂ *urapterides*) (Wallace). c. Sula (Wallace).

The Sula example has only an indication of the brown spot on upper margin of fore-wings, otherwise it is identical with the other examples.

GENUS **CASSIDIA.** Walker: Journ. Linn. Soc., Lond., vi. p. 129 (1862).

960. Cassidia obtusa.

Cassidia obtusa. Walker: Journ. Linn. Soc., Lond., vi. p. 130 (1862).
———— xxxii. 382 (1864).

a. Sarawak, Borneo (type) (Wallace).

GENUS **NUMENES.** Walker: iii. 662 (1855).
Pseudomesa. Walker: iv. 923 (1855).

961. Numenes siletti.

Numenes siletti ♀. Walker: iii. 663 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 147. 964 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 188.
Pseudomesa quadriplagiata ♂. Walker: iv. 923 (1855).
———— Butler: Ill. Typ. Lep. Het., B.M., v. p. 54, pl. 90, f. 6 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 156. 1031 (1887).

Numenes quadriplagiata. Stoud.: in Rom. Mém., iii. p. 200 (1887).

Type. Sylhet, in B. M.

Type (*quadriplagiata*). Sylhet, in B. M.

a. India (2). b. Sylhet (4).

Numenes siletti ♂.

962. Numenes insignis.

Numenes insignis ♀. Moore: Cat. Lep. E. I. C., ii. p. 367, pl. 10 *a*, f. 6 (1859).

Numenes insignis. Moore: Journ. As. Soc. Beng., lv. (2), p. 98. (1886)

Pseudomesa læta ♂. Walker: xxxv. 1916 (1856).

Type. Java, in B. M.

Type (*læta*). Java, in B. M.

a. Cambodia, Siam (Mouhot).

963. Numenes contrahens.

Numenes contrahens. Walker: Journ. Linn. Soc., Lond., vi. p. 122 (1862).

——————————— xxxi. 289 (1864).

a. Sarawak, Borneo (type) (Wallace).

964. Numenes patrana.

Numenes patrana ♀. Moore: Cat. Lep. E. I. C., ii. p. 367 (1859).

——————— Walker: xxxi. 289 (1864).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 147. 963 (1887).

Numenes partita ♂. Walker: xxxi. 290 (1864).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 147. 962 (1887).

Type. Bhootan, in B. M.

Type (*partita*). Darjiling, in coll. Stoudinger.

a. India (4).

GENUS **GAZALINA.** Walker: xxxii. 398 (1865).

965. Gazalina venosata.

Gazalina venosata. Walker: xxxii. 398 (1865).

——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 49, pl. 98, f. 5 (1881).

Gazalina venosata. Cotes and Swinh.: Cat. Moths of India, ii. 151. 996 (1887).
Oligoclona nervosa. Felder: Reise Nov. Lep., pl. 95, f. 8 (1868).

Type. India, in B. M.
a. Sikkim (2) (Pilcher).

966. Gazalina chrysolopha.

Liparis chrysolopha. Kollar: Kasch. von Hügel, iv. p. 470 (1848).
Gazalina chrysolopha. Cotes and Swinh.: Cat. Moths of India, ii. 151. 994 (1887).
Dasychira antica. Walker: iv. 867 (1855).
Gazalina antica. Butler: Ill. Typ. Lep. Het., B. M., v. p. 49, pl. 89, f. 4 (1881).
Oligoclona chordigera. Felder: Reise Nov. Lep., pl. 94, f. 10 (1868).

Type (*antica*). North India, in B. M.
a. Kurseyong (Charlton Swinhoe). b. Sikkim (Pilcher).

GENUS **HIMALA.** Moore: Descr. Ind. Lep. Atk., i. p. 57 (1879).

967. Himala argentea.

Redoa argentea. Walker: iv. 827 (1855).
Himala argentea. Moore: Descr. Ind. Lep. Atk., i. p. 57 (1879).
—— —— Butler: Ill. Typ. Lep. Het., B. M., v. p. 49, pl. 89, f. 6 (1881).
—— Cotes and Swinh.: Cat. Moths of India, ii. 159. 1056 (1887).
Dasychira ilita. Moore: Cat. Lep. E. I. C., ii. p. 341 (1859).
—— Walker: xxxii. 359 (1864).

Type. Assam, in B. M.
Type (*ilita* ♀). Darjiling, in B. M.
a. India (2).

GENUS **VARMINA.** Moore: P. Z. S., Lond., 1888, p. 405.

968. Varmina indica.

Gluphisia (?) *indica.* Walker: v. 1039 (1855).
—— —— Butler: P. Z. S., Lond., 1883, p. 157.
—— Cotes and Swinh.: Cat. Moths of India, ii. 176. 1177 (1887).
Varmina indica. Moore: P. Z. S., Lond., 1888, p. 405.

a. India (type).

GENUS **TEIA.** Walker: iv. 803 (1855).

969. Teia anartoides.

Teia anartoides. Walker: iv. 804 (1855).

Type. Van Diemen's Land, in B. M.
a. Van Diemen's Land (4). b. New Holland (2).

970. Teia pusilla.

Teia pusilla. Butler: Ann. Mag. N. H. (5), ix. p. 88 (1882).
Teia anartoides, var. β. Walker: iv. 804 (1855).

Type. Melbourne, in B. M.

a. Sydney (3). **b.** King George's Sound. **c.** New South Wales. **d.** Van Diemen's Land (2). **e.** Adelaide (13).

Genus **CIFUNA.** Walker: v. 1172 (1855).

971. Cifuna locuples.

Cifuna locuples. Walker: v. 1173 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., ii. p. 18, pl. 27, f. 6 (1878).
———— Cotes and Swinh.: Cat. Moths of India, ii. 196. 1330 (1887).

Type. Sylhet, in B. M.

a. Japan. **b.** North China.

Genus **APINA.** Walker: iii. 756 (1855).

972. Apina callisto.

Apina callisto. Walker: iii. 756 (1855).

Type. Australia, in B. M.

a. New South Wales (2). **b.** Adelaide (2). **c.** Van Diemen's Land (3).

973. Apina feisthamelii.

Agarista feisthamelii. Herr Schäff.: Lep. Exot. Sp. Nov., i. f. 25 (1853).
Apina feisthamelii. Walker: iii. 757 (1855).

a. Van Diemen's Land (5).

Genus **ANTHELA.** Walker: iv. 853 (1855).

974. Anthela ferruginosa.

Anthela ferruginosa. Walker: iv. 854 (1855).

Type. Sydney, in B. M.

a. New Holland.

Genus **DARALA.** Walker: iv. 886 (1855).

975. Darala ocellata.

Darala ocellata. Walker: iv. 887 (1855).

Type. Van Diemen's Land, in B. M.

a. New South Wales (2). **b.** Australia (3). **c.** N. Australia (2). **d.** New Holland (3). **e.** Van Diemen's Land (2). **f.** Adelaide (2). **g.** Queensland (2). **h.** Sydney (2). **i.** East Australia.

976. Darala undulata.

Darala undulata. Felder: Reise Nov. Lep., pl. 98, f. 11 (1868).

a. Queensland (2).

977. Darala stygiana.

Darala stygiana. Butler: Ann. Mag. N. H. (5), ix. p. 88 (1882).

Type. Melbourne, in B. M.

a. Australia.

978. Darala canescens.

Darala canescens. Walker: iv. 901 (1855).

Type. New Holland, in B. M.

a. Australia.

Darala falcata, Walker: iv. 895 (type in this museum), the locality for which he placed doubtfully as Australia (?), is the female of *Lonomia submacula* ♂, Walker: iv. 1192 = *L. apicalis* ♀, Walker: iv. 1194, from Brazil and Rio Janeiro. There are both sexes in this museum without locality, and I have compared them with the types in the B. M.

979. Darala caniceps.

Dreata caniceps. Walker: Trans. Ent. Soc., Lond. (3), i. p. 269 (1862).
——————— xxxii. 376 (1865).

a. Moreton Bay (type ♂).

980. Darala censors.

Darala censors. Walker: xxxii. 369 (1865).

Type. South Australia, in B. M.

a. Queensland (2).

981. Darala complens: n. sp.

♂ Of a uniform pale yellow colour, palpi reddish below, brown above, antennæ with the plumes pale reddish brown, and a slight tinge of the same colour on the long hairs of the body and basal portion of the wings. Fore-wings with the usual two cell spots brown, a brown thin transverse band before the middle, nearly erect to the median vein, then bent inwards to the costa, both wings with a brown straight lunular discal band with internal spear-shaped brown points, cilia orange colour. Underside, wings as above, body and legs tinged with reddish brown, abdomen with two ventral black spots.

Expanse of wings $2\frac{4}{10}$ inches.

a. Australia (type).

Allied to *D. excisa*, Walker.

982. Darala lineosa.

Darala lineosa. Walker: Trans. Ent. Soc., Lond. (3), i. p. 269 (1862).
——————— xxxii. 369 (1865).

a. Australia (type ♀).

The type is a female, not a male, as stated by Walker.

983. Darala nicothoë.

Bombyx nicothoë. Boisd.: Voy. de l'Astrolabe, i. p. 226 (1832).
Darala adusta. Walker: iv. 897 (1855).

Type (*adusta*). Van Diemen's Land, in B. M.

a. Van Diemen's Land (6). b. New Holland (3).

984. Darala elizabetha.

Odonestis elizabetha. White: App. Capt. Grey's Journ. Exped. Discov. Austral., p. 478 (1841).
Darala elizabetha. Walker: iv. 893 (1855).

a. King George's Sound.

985. Darala uniformis: n. sp.

♂ Of a uniform reddish fawn colour, shafts of the antennæ yellowish, plumes brown, fore-wings and body slightly darker than the hind-wings. Fore-wings with a white spot in the middle of the cell and another similar spot at the end. Underside with a white dot at end of cell of fore-wings and a larger one at the end of cell in hind-wings, otherwise the wings and body above and below are without markings.

Expanse of wings $1\frac{8}{10}$ inches.

a. Queensland (type).

Allied to *D. elizabetha*, similar in shape, but that species has segmental brown bands on the abdomen and a discal line of brown dots across both wings.

986. Darala minuta: n. sp.

♂ Reddish fawn colour, shafts of the antennæ pale, plumes brownish, body above and below darker than the wings, wings slightly darker towards the base. Fore-wings with a small brown spot at the end of the cell, and a nearly obsolete pale brown transverse discal line. Hind-wings with a faint brown spot at the end of the cell; no other markings.

Expanse of wings $1\frac{1}{10}$ inches.

a. New South Wales (type). b. Australia.

Genus **COLUSSA.** Walker: xxi. 288 (1860).

987. Colussa varia.

Darala varia. Walker: iv. 890 (1855) ♂.
Colussa odenestaria. Walker: xxi. 288 (1860) ♀.

Type. New Holland, in B. M.

Type (*odenestaria*). Australia, in B. M.

a. Australia (2). b. Moreton Bay (3). c. New South Wales (2). d. New South Wales, var. 1. e. New South Wales, var. 2. f. Port Stephenson, var. 3.

988. Colussa uvaria.

Colussa uvaria. Walker : xxxv. 1576 (1866).

Type ♀. Moreton Bay, in B. M.

a. Port Essington ♀.

989. Colussa conspersa.

Darala conspersa. Walker: iv. 891 (1855).

Darala quadriplaga. Walker: Trans. Ent. Soc., Lond. (3), i. p. 269 (1862).

——————————— xxxii. 369 (1865).

Type. Without locality, in B. M.

a. Australia (type *quadriplaga*).

990. Colussa simplex.

Darala simplex. Walker: iv. 891 (1855).

Type. Without locality, in B. M.

a. New Holland.

991. Colussa acuta.

Darala acuta. Walker: iv. 889 (1855).

Type. New Holland, in B. M.

a. New South Wales.

992. Colussa delineata.

Darala delineata. Walker: xxxii. 371 (1865).

Type. Australia, in B. M.

a. Australia.

993. Colussa ferruginea.

Darala ferruginea. Walker : iv. 890 (1855).

Type. Van Diemen's Land, in B. M.

a. Van Diemen's Land (5). b. New Holland (2).

994. Colussa deficiens.

Dreata deficiens. Walker: xxxii. 374 (1865).

Type. North Australia, in B. M.

a. King George's Sound. b. Adelaide.

995. Colussa inornata.

Darala inornata. Walker: iv. 901 (1855).

Type. Swan River, in B. M.

a. Adelaide.

996. Colussa chalepteryx.

Darala chalepteryx. Felder: Reise Nov. Lep., pl. 98, f. 10 (1868).

a. Lord Howe Island, Australia.

Genus **CHENUALA.** Gen. Nov.

♂ Palpi porrect, short and slender, antennæ bipectinated, the branches nearly even throughout, mid and hind tibiæ with short terminal pairs of spurs. Fore-wings with veins 2, 3, and 4 at even distances before end of cell, 5 from the angle, 6 from upper angle, 9 rising from 10 and anastomosing with 8 to form the areole, which is very long. Hind-wings with veins 2, 3, and 4 at even distances before angle of cell, 5 from the angle, discocellulars angled, 6 and 7 from upper angle, 8 remote from 7 and connected with it by a bar near the base.

Type (*C. rufa*) Swinhoe.

Genus Chenuala.

997. Chenuala rufa: n. sp.

♂ Orange red, shafts of antennæ brownish with orange tips, thorax and fore-wings of a uniform orange red, with a pale brownish tinge. Fore-wings with a small black spot at the end of the cell and indications of a pale thin sinuous grey band before the middle, and two similar bands near each other across the disc; these bands can only be made out in certain lights. Hind-wings bright orange red, unmarked. Underside, uniform in colour, duller and paler than the colour of the fore-wings above; fore-wings with a brown spot in centre of cell and another at the end, and with the transverse bands more or less visible.

Expanse of wings $2\frac{4}{10}$ inches.

a. Queensland (type).

GENUS **MUNYCHRYIA**. Walker: xxxii. 395 (1865).

998. Munychryia senicula.

Munychryia senicula. Walker: xxxii. 396 (1865).

Type. Moreton Bay, in B. M.
a. Van Diemen's Land.

GENUS **MARANE**. Walker: xxxii. 397 (1865).

999. Marane tristis.

Bombyx tristis. Lewin: Prodr. Ent., p. 9, pl. 8 (1805).
——————— Don.: Epit. Ins. New. Holl., pl. 34 (1805).
Liparis tristis. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 223 (1832).
Trichetra tristis. White: Append. Capt. Gray's Journ., Exped. Discov. Austral., p. 479, f. 2 (1841).
Teara tristis. Walker: iv. 847 (1855).

a. Van Diemen's Land (13). b. Adelaide. c. New Holland (3).

1000. Marane melanosticta.

Bombyx melanosticta. Don.: Epit. Inst. New Holl., pl. 34 (1805).
Liparis melanosticta. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 225 (1832).
Teara melanosticta. Walker: iv. 848 (1855).

a. Sydney (3).

1001. Marane melanospila.

Cnethocampa melanospila. Wallngr.: Wien. Ent. Mon., iv. p. 164 (1866).

a. New South Wales (2). b. Sydney (3). c. Van Diemen's Land (4).

1002. Marane isabella.

Trichetra isabella. White: Append. Capt. Gray's Journ., Exped. Discov. Austral., p. 479, f. 10–1. 3. f. 11 (1841).
Teara isabella. Walker: iv. 849 (1855).

a. King George's Sound. b. Adelaide. c. Australia. d. New Holland.

GENUS **CALLITEARA**. Butler: Trans. Ent. Soc., Lond., 1881, p. 12.

1003. Calliteara rotundata.

Teara rotundata. Walker: iv. 851 (1855).

Type. Van Diemen's Land, in B. M.
a. North Australia (2). b. New South Wales (3). c. Moreton Bay (2).

GENUS **OCHROGASTER.** Felder: Reise Nov. Lep., pl. 94, f. 5 (1868).

1004. Ochrogaster circumfumata.

Ochrogaster circumfumata. Felder: Reise Nov. Lep., pl. 94, f. 5 (1868).

a. North Australia. b. East Australia. c. Moreton Bay (Diggles). d. West Australia. e. New Holland.

1005. Ochrogaster ruptimacula.

Ochrogaster ruptimacula. Felder: Reise Nov. Lep., pl. 95, f. 9 (1868).

a. Queensland. b. Moreton Bay (2). c. Swan River.

1006. Ochrogaster interrupta.

Teara interrupta. Walker: iv. 851 (1855).

Type. Adelaide, in B. M.

a. Queensland (2). b. New Holland.

1007. Ochrogaster contraria.

Teara contraria. Walker: iv. 849 (1855).
Darala cinctifera. Walker: Trans. Ent. Soc., Lond., (3), i. p. 268 (1862).
——————— xxxii. 369 (1865).

Type. Sydney, in B. M.

a. New South Wales. b. East Australia. c. Moreton Bay. d. Moreton Bay (♂ ♀ types *cinctifera*).

1008. Ochrogaster deficita.

Teara deficita. Walker: xxxii. 352 (1865).

Type. Australia, in B. M.

a. Queensland.

1009. Ochrogaster indecora.

Teara indecora. Walker: xxxii. 353 (1865).

Type. Moreton Bay, in B. M.

a. Moreton Bay.

GENUS **TEARA.** Walker: iv. 846 (1855).

1010. Teara variegata.

Teara variegata. Walker: iv. 851 (1855).

Type. Sydney, in B. M.

a. Queensland (2). b. Australia.

Walker described eight species before this one under his Genus *Teara*, but they all come under different older Genera, and thus this species must become the type of the Genus.

Genus **UROCOMA**. Herr. Schäff.: Samml. Exot. Schm., f. 389 (1858).

1011. Urocoma limbalis.

Urocoma limbalis. Herr. Schäff.: Samml. Exot. Schm., f. 389 (1858).

a. Australia (3).

1012. Urocoma marginalis.

Trichetra marginalis. Walker: iv. 845 (1855).

Type. Van Diemen's Land, in B. M.

a. Queensland (2).

1013. Urocoma baliolalis. n. sp. Pl. VI. f. 7.

♂ Frons dark ochreous, antennæ pale ochreous, thorax and fore-wings pale chocolate brown, abdomen black, tip ochreous. Fore-wings with a large darkish spot at end of cell, a broad greyish white marginal band tinged with ochreous and with an irregular inner margin with white spots, a pale line across the disc, a short space from and nearly parallel to this inner margin. Hind-wings with the basal half blackish brown, nearly black, the outer half and costal space white, and a small white space at the immediate base. Underside as above, but paler.

Expanse of wings $1\frac{8}{10}$ inches.

a. New South Wales (type).

Of the same hue of colour as the two preceding species, but easily distinguishable by its broad pale margins. There are examples of this species unnamed in the B. M.

Genus **HERACULA**. Moore: P. Z. S., Lond., 1865, p. 804.

1014. Heracula discivitta.

Heracula discivitta. Moore: P. Z. S., Lond., 1865, p. 804, pl. 43, f. 2.
——— Walker: xxxv. 1918 (1866).
——— Cotes and Swinh.: Cat. Moths of India, ii. 1063 (1887).

Type. Bengal.

a. Assam (Jenkins). b. India.

Genus **PSALIS**. Hübner: Zutr. Samml. Exot. Schm., iii. 9, 146 (1823).

Arestha. Walker: iv. 805 (1855).

1015. Psalis securis.

Psalis securis. Hübn.: Zutr. Samml. Exot. Schm., iii. 9, 146, f. 291–292 (1823).
——— Moore: Cat. Lep. E. I. C., ii. p. 338, pl. 14, f. 12, 12 *a* (larva) (1859).
——— Lep. Ceylon, ii. p. 95, pl. 115, f. 1, 1 *a* (1882).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 399 (larva).
——— Swinhoe: P. Z. S., Lond., 1886, p. 438.
——— Cotes and Swinh: Cat. Moths of India, ii. 164. 1090 (1887).

Drepana securis. Walker: vii. 1762 (1856).
Arestha antica. Walker: iv. 805 (1855).
Rigema falcata. Walker: xxxii. 437 (1865).
Anticyra approximata. Walker: xxxii. 440 (1865).

Type (*antica*). Java, in B. M.
Type (*falcata*). Ceylon, in B. M.
Type (*approximata*). Philippine Islands, in B. M.
a. Java (3) (Horsfield). b. Nilgiri Hills. c. Poona. d. Ceylon (Thwaites).

GENUS **OLENE.** Hübner: Zutrage Exot. Schm., iii. p. 19, pl. 147, f. 293, 294 (1823).

Ilema. Moore: Cat. Lep., E. I. C., ii. p. 341 (1859).

Antipha. Walker: iv. 806 (1855).
Nioda. Walker: v. 1069 (1855).
Rilia. Walker: v. 1075 (1855).

1016. Olene mendosa.

Olene mendosa. Hübn.: Zutr. Exot. Schm., iii. p. 19, pl. 147, f. 293, 294 (1823).
———— Moore: Cat. Lep. E. I. C., ii. p. 341, pl. 15, f. 3, 3 *a* (1859).
———— Felder: Reise Nov. Lep., pl. 99, f. 6 (1868).
———— Snellen: Tijd. voor Ent., 1879, p. 112 (larva).
———— Moore: Lep. Ceylon, ii. p. 96, pl. 115, f. 4, 4 *a*, 4 *b* (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 297.
———— Cotes and Swinh.: Cat. Moths of India, ii. 157. 1037 (1887).
Nioda (?) *mendosa.* Walker: vii. 1752 (1856).
Rilia lanceolata. Walker: v. 1075 (1855).
Olene lanceolata. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 1, pl. 106, f. 6 (1886).

Type (*lanceolata* ♀). Sylhet, in B. M.
a. Ceylon (3) (Thwaites).

1017. Olene basalis.

Antipha basalis. Walker: iv. 806 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 157. 1040 (1887).

a. India (type). b. Ceylon (Thwaites). c. Australia.

1018. Olene fusiformis.

Nioda fusiformis. Walker: v. 1070 (1855).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 401, pl. 15, f. 5–5 *f* (larva).
Olene fusiformis. Moore: Lep. Ceylon, ii. p. 97, pl. 115, f. 3 (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 297, pl. 20, f. 8.
———— P. Z. S., Lond., 1886, p. 438.
———— ———— Cotes and Swinh.: Cat. Moths of India, ii. 157. 1036 (1887).

Type. Ceylon, in B. M.
a. India (3). b. Ceylon (3).

1019. Olene inclusa.

Dasychira inclusa. Walker: vii. 1737 (1856).
Thelde patula. Walker: Journ. Linn. Soc., Lond., vi. p. 140 (1862).
———————— xxxii. 444 (1865).

Type. Java, in B. M.
a. Java. b. Philippine Islands. c. Sarawak, Borneo (type ♂ *patula*) (Wallace). d. Poona. e. India.

1020. Olene chalana.

Dasychira chalana. Moore: Cat. Lep. E. I. C., ii. p. 339 (1859).
———————— Walker: xxxii. 359 (1865).
Lacida costiplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 126 (1862).
———————— xxxii. 336 (1865).

Type. Java, in B. M.
a. Sarawak, Borneo (type ♂ *costiplaga*) (Wallace). b. Sarawak, Borneo ♂ (Wallace).

Genus **ENOME**. Walker: iv. 883 (1855).

1021. Enome ampla.

Enome ampla. Walker: iv. 883 (1855).
———————— Moore: Cat. Lep. E. I. C., ii. p. 346, pl. 9 *a*, f. 4, pl. 15, f. 7, 7 *a*, 8, 8 *a* (larva) (1859).
———————— P. Z. S., Lond., 1867, p. 681.
———————— Lep. Ceylon, ii. p. 79, pl. 109, f. 2, 2 *a*, 2 *b* (1882).
———————— Swinhoe: P. Z. S., Lond., 1885, p. 300.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 155. 1028 (1887).

Type. Ceylon, in B. M.
a. Ceylon (♂ and *apterous* ♀). b. India. c. Nilgiri Hills. d. Bombay. e. Van Diemen's Land (Ewing).

1022. Enome aryama.

Lymantria aryama. Moore: Cat. Lep. E. I. C., ii. p. 345 (1859).
———————— P. Z. S., Lond., 1867, p. 681.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 152. 1000 (1887).

Type. Kanara, in B. M.
a. Bombay. b. India (2) (Hutton).

1023. Enome incerta.

Lymantria incerta. Walker: iv. 880 (1855).
Pseudomesa incerta. Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 402 (larva).
Enome incerta. Swinhoe: P. Z. S., Lond., 1885, p. 300.
———————— P. Z. S., Lond., 1886, p. 438.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 156. 1030 (1887).

Type. North India, in B. M.
a. India (Hutton). b. India (Hearsay).

1024. Enome detersa.

Lymantria detersa. Walker: xxxii. 365 (1865).
Enome detersa. Swinhoe: P. Z. S., Lond., 1885, p. 300, pl. 21, f. 3, 4 ♂ ♀.
——————— P. Z. S., Lond., 1886, p. 438.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 156. 1029 (1887).
Pachenome detersa. Butler: P. Z. S., Lond., 1883, p. 156.
Lymantria costalis. Walker: xxxii. 365 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 152. 1006 (1887).

Type. Mauritius, in B. M.
Type (*costalis*). S. India, in B. M.
a. Poona (Swinhoe). b. Mhow (Swinhoe). c. India (3).
d. Bombay (2).

1025. Enome obfuscata.

Lymantria obfuscata. Walker: xxxii. 367 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 153. 1013 (1887).

Type. North India, in B. M.
a. India.

Genus **MAHOBA.** Moore: Descr. Ind. Lep. Atk., i. p. 52 (1879).

1026. Mahoba plagidotata.

Cyclidia (?) *plagidotata.* Walker: xxvi. 1483 (1862).
Chorodna plagidotata. Moore: P. Z. S., Lond., 1867, p. 614.
Mahoba plagidotata. Moore: Descr. Ind. Lep. Atk., i. p. 52, pl. 3, f. 6 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 160. 1058 (1887).

Type. Darjiling, in B. M.
a. India.

Genus **MARDARA.** Walker: xxxii. 402 (1865).

1027. Mardara calligramma.

Mardara calligramma. Walker: xxxii. 402 (1865).
——————— xxxv. 1918 (1866).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 151. 997 (1887).

Type. Darjiling, in B. M.
a. Assam (Jenkins). b. India (2).

Genus **DASYCHIRA.** Steph.: Ill. Brit. Ent. Haust., ii. p. 58 (1829).

1028. Dasychira complicata.

Dasychira complicata. Walker: xxxii. 362 (1865).
Mardara complicata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 58, pl. 91, f. 4, 5 (1881).

Mardara complicata. Cotes and Swinh.: Cat. Moths of India, ii. 151. 998 (1887).
Trisula pustulifera. Walker: xxxii. 576 (1865).

Type. India, in B. M.
Type (*pustulifera*). North India, in B. M.
a. India.

1029. Dasychira tenebrosa.

Dasychira tenebrosa. Walker: xxxii. 361 (1865).
——————— xxxv. 1916 (1866).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 150. 990 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India.

1030. Dasychira bhana.

Dasychira bhana. Moore: P. Z. S., Lond., 1865, p. 804.
——————— Walker: xxxv. 1916 (1866).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 149. 976 (1887).

Type. Darjiling, in coll. Moroe.
a. India (2).

1031. Dasychira feminula.

Mardara feminula. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 58, pl. 141, f. 1, 7 (1891).

Type. Nilgiri Hills, in B. M.
a. Nilgiri Hills.

1032. Dasychira varia.

Dasychira varia. Walker: iv. 868 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 150. 992 (1887).
Dasychira maruta. Moore: Cat. Lep. E. I. C., ii. p. 339 (1859).
——————— Walker: xxxii. 359 (1865).
——————— Moore: P. Z. S., Lond., 1867, p. 681.
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 58, pl. 91, f. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 150. 984 (1887).

Type (*maruta*). Darjiling, in B. M.
a. India (type ♀).

The type is a female, and not a male as stated by Walker; he described this female as the male of *varia* and a female of *D. kausalia* (Moore) as female of *varia*.

1033. Dasychira thwaitesii.

Dasychira thwaitesii. Moore: Lep. Ceylon, ii. p. 98, pl. 110, f. 1, 1 *a*, 1 *b* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 150. 991 (1887).

Dasychira thwaitesii. Cotes: Ind. Mus. Notes, i. p. 29, pl. 3, f. 1 (1889).

Type. Ceylon, in coll. Moore.

a. Ceylon (1 ♂, 2 ♀) (Thwaites).

1034. Dasychira horsfieldii.

Arctia horsfieldii. Saunders: Trans. Ent. Soc., Lond., New Series, i. p. 162, pl. 12, f. 1, 2 (1851).

———— Zool., ix. p. 3070 (1851).

———— Walker: iii. 613 (1855).

a. Singapore (3).

The type from Java is not now in this collection.

1035. Dasychira kausalia.

Dasychira kausalia. Moore: P. Z. S., Lond., 1879, p. 401.

———— Cotes and Swinh.: Cat. Moths of India, ii. 149. 983 (1887).

———— Butler: Ill. Typ. Lep. Het., B. M., vii. p. 124, pl. 138, f. 7 (larva) (1889).

Dasychira varia. Walker: iv. 868 (1855) (♀ only).

Type. Kasaoli, in coll. Moore.

a. India (type ♀ of *varia*). b. India (♂) (Hutton). c. India (♀).

GENUS **BARHONA.** Moore: Descr. Ind. Lep. Atk., i. p. 55 (1879).

1036. Barhona carneola.

Barhona carneola. Moore: Descr. Ind. Lep. Atk., i. p. 56 (1879).

———— Cotes and Swinh.: Cat. Moths of India, ii. 163. 1083 (1887).

Type. Darjiling, in coll. Moore.

a. India.

GENUS **LYMANTRIA.** Hübner: Verz. Schm., p. 160 (1816).

1037. Lymantria ascetria.

Lymantria asætria. Hübner: Samml. Exot. Schm., 2, f. 1–4 (1816).

———— Walker: iv. 878 (1855).

———— Moore: Journ. As. Soc. Beng., lv. (2), p. 98 (1886).

———— Cotes and Swinh.: Cat. Moths of India, ii. 152. 1001 (1887).

———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 188.

a. Java (♂ ♀) (Horsfield).

1038. Lymantria antennata.

Lymantria antennata. Walker: iv. 881 (1855).

Type. Richmond River, Australia, in B. M.

a. Moreton Bay (2).

1039. Lymantria inordinata.

Lymantria inordinata. Walker: xxxii. 368 (1865).

a. Makian, Celebes (type) (Wallace).

1040. Lymantria lunata.

Phalæna lunata. Cramer: Pap. Exot., iv. pl. 369, f. C (1781).

Porthetria lunata. Hübner: Verz. Schm., p. 160 (1816).
Lymantria lunata. Walker: iv. 879 (1855).
——— Semper: Verh. Zool. Bot. Ges. Wien, xvii. p. 701 (1867).
——— Snellen: Tijd. voor Ent., 1879, p. 111 (larva).

a. Aru (Wallace). b. Ceram (2) (Wallace). c. Menado, Celebes (Wallace). d. Amboina (Wallace). e. Bourou (Wallace).

1041. Lymantria grandis.

Lymantria grandis ♀. Walker: iv. 874 (1855).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 57, pl. 91, f. 1–2 (1881).
——— Moore: Lep. Ceylon, ii. p. 99 (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 153. 1008 (1887).
Lymantria maculosa ♂. Walker: iv. 881 (1855).
Lymantria metarhoda ♂. Walker: xxxii. 365 (1865).

Type. Ceylon, in B. M.
Type (*maculosa*). New South Wales (?), in B. M.
a. Ceylon (type of *metarhoda*).

Walker's type of *maculosa* is labelled N. S. W., but this must be wrong. The species seems to be confined to Ceylon.

1042. Lymantria viola.

Lymantria viola. Swinhoe: P. Z. S., Lond., 1889, p. 406.

Type. Thanna, Bombay, in B. M.
a. Thanna (4) (Swinhoe).

1043. Lymantria similis.

Lymantria similis. Moore: P. Z. S., Lond., 1879, p. 402.
——— Cotes and Swinh.: Cat. Moths of India, ii. 154. 1017 (1887).
Lymantria cara. Butler: Ill. Typ. Lep. Het., B. M., v. p. 56, pl. 90, f. 13 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 152. 1004 (1887).

Type. Calcutta, in coll. Moore.
Type (*cara* ♀). Bhotan, in B. M.
a. India (?). b. Cambodia, Siam (?) (Mouhot).

1044. Lymantria marginalis.

Lymantria marginalis. Walker: Journ. Linn. Soc., Lond., vi. p. 131 (1862).
——— xxxii. 365 (1865).

a. Sarawak, Borneo (type) (Wallace).

1045. Lymantria superans.

Lymantria superans. Walker: iv. 876 (1855).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 55, pl. 90, f. 10, 11 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 154. 1019 (1887).

Lymantria micans ♂. Felder: Reise Nov. Lep., pl. 99, f. 2 (1868).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 153. 1011 (1887).

Type. Sikhim, Himalaya, in B. M.
a. India (2) (Hutton).

1046. Lymantria marginata.

Lymantria marginata ♀. Walker: iv. 877 (1855).
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 56, pl. 90, f. 12 (1881).
Lymantria beatrix. Moore (nec Stoll.): P. Z. S., Lond., 1867, p. 680.
Lymantria beatrix (part). Cotes and Swinh.: Cat. Moths of India, ii. 152. 1003 (1887).
Lymantria pusilla ♂. Felder: Reise Nov. Lep., pl. 99, f. 3 (1868).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 154. 1015 (1887).

Type. Sylhet, in B. M.
a. Sylhet.

1047. Lymantria fuliginosa.

Lymantria fuliginosa. Moore: P. Z. S., Lond., 1883, p. 17.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 300.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 152. 1007 (1887).

Type. Bombay, in coll. Moore.
a. Bombay (3). b. Poona (2).

1048. Lymantria albolunulata.

Lymantria albolunulata. Moore: P. Z. S., Lond., 1879, p. 405.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 151. 999 (1887).

Type. Simla, in coll. Moore.
a. India.

1049. Lymantria obsoleta.

Lymantria obsoleta. Walker: iv. 880 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 343 (1859).
——————— Lep. Ceylon, ii. p. 100 (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 300.
——————— P. Z. S., Lond., 1886, p. 438.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 153. 1015 (1887).
Lymantria lunata, var. β. Walker: iv. 879 (1855).
Lymantria bhascara. Moore: Cat. Lep. E. I. C., ii. p. 345 (1859).

Type (♂). North India, in B. M.
Type (*bhascara* ♀). North India, in B. M.
a. India (6). b. Poona (2).

1050. Lymantria rhodina.

Lymantria rhodina. Walker: xxxii. 366 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 154. 1016 (1887).

♂ Palpi, shaft of antennæ, head, thorax, and fore-wings dark vinescent brown, plumes of antennæ pale reddish brown. Fore-wings

crossed by an ill-defined outer discal recurved blackish diffused denticulated line, outwardly bordered by pale pinkish cinereous; this line is almost obsolete in one specimen and fairly distinct in another, a blackish speckled angulated mark at end of cell and an adjacent cluster of blackish scales within the cell, cilia brown with pale pinkish spots. Hind-wings greyish white, its marginal border broad and brownish, cilia and abdominal margin pinkish, the breadth of the marginal border varying in all three specimens, abdomen crimson with dorsal row of brown spots and brown anal tuft. Underside, fore-wings pale greyish brown, hind-wings whitish with indications of the marginal border, brown, dark above and pale beneath, base of legs with long crimson hairs.

Expanse of wings $1\frac{8}{10}$ inches.

Type. India, in B. M.

a. India (2).

The type is much worn and scarcely recognisable.

1051. Lymantria curvifera.

Pegella curvifera. Walker: xxxv. 1922 (1866).

Type. Philippines in B. M.

a. Philippines (♂ ♀).

Walker's type is a female, not a male as stated by him; he erected the genus *Pegella* on this supposed male: it is a true *Lymantria*, the male has greyish brown fore-wings and with the deeply pectinated antennæ of the genus.

1052. Lymantria lepcha.

Porthetria lepcha. Moore: Descr. Ind. Lep. Atk., i. p. 54 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 155. 1024 (1887).

Type. Darjiling, in coll. Moore.

a. India.

1053. Lymantria mathura.

Lymantria mathura. Moore: P. Z. S., Lond., 1865, p. 805.
——————— Walker: xxxv. 1916 (1866).
Porthetria mathura. Cotes and Swinh.: Cat. Moths of India, ii. 155. 1026 (1887).

Type. Darjiling, in coll. Moore.

a. Darjiling. b. India (4).

Genus **IMAUS.** Moore: Descr. Ind. Lep. Atk., i. p. 54 (1879).

1054. Imaus mundus.

Lymantria munda. Walker: iv. 875 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 343 (1859).
——————— P. Z. S., Lond., 1867, p. 681.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 153. 1012 (1887).
Imaus mundus. Moore: Descr. Ind. Lep. Atk., ii. p. 54 (1879).

Type. Sylhet, in B. M.
a. Sylhet. b. India (2).

1055. Imaus ganara.

Lymantria ganara. Moore: Cat. Lep. E. I. C., ii. p. 344 (1859).
———— Walker: xxxii. 364 (1865).

Type. Java, in B. M.
a. Singapore. b. Borneo.

GENUS **DURA.** Moore: Descr. Ind. Lep. Atk., i. p. 56 (1879).

1056. Dura alba.

Dura alba. Moore: Descr. Ind. Lep. Atk., i. p. 56 (1879).
———— Cotes and Swinh.: Cat. Moths of India, ii. 163. 1085 (1887).

Type. Darjiling, in coll. Moore.
a. India (2) (Ashmol. Mus.).

1057. Dura amplipennis.

Lymantria amplipennis. Walker: xxxii. 367 (1865).
a. New Guinea (type) (Wallace).

GENUS **PTEROLOCERA.** Walker: iv. 883 (1855).

1058. Pterolocera amplicornis.

Pterolocera amplicornis. Walker: iv. 884 (1855).

Type. Adelaide, in B. M.
a. Van Diemen's Land (10). b. New Holland (6). c. Swan River.

1059. Pterolocera insignis.

Pterolocera insignis. Herr. Schäff.: Lep. Exot., f. 459 (1858).
a. New Holland (3). b. King George's Sound (2). c. Swan River. d. Queensland.

FAMILY **PSYCHIDÆ.**

GENUS **METURA.** Walker: iv. 961 (1855).

1060. Metura Saundersii.

Oiketicus saundersii. Westwood: P. Z. S., Lond., 1854, p. 223, pl. 35.
———— Macalister: Proc. Nat. Hist. Soc., Dublin, 1869, p. 129.
Metura saundersii. Walker: iv. 962 (1855).
a. New South Wales (type). b. New South Wales (5) larvæ pupæ cases.

GENUS **THIRIDOPTERYX.** Walker: iv. 959 (1855).

1061. Thiridopteryx hubneri.

Oiketicus hubneri. Westwood: P. Z. S., Lond., 1854, p. 228, pl. 35, f. 1.
———— Macalister: Proc. Nat. Hist. Soc., Dublin, 1869, p. 131.

Thiridopteryx hubneri. Walker: iv. 960 (1855).

a. New South Wales (type), also larvæ and pupæ cases. b. New South Wales (2). c. Swan River.

Veination differs somewhat from *Thiridopteryx ephemeræ formis* (Walker, iv. 959), the type of the Genus, but they agree in other structural characters.

1062. Thiridopteryx herrichii.

Oiketicus herrichii. Westwood: P. Z. S., Lond., 1854, p. 232, pl. 37, f. 3.
———— Macalister: Proc. Nat. Hist. Soc., Dublin, 1869, p. 130.
Thiridopteryx herrichii. Walker: iv. 960 (1855).

a. Australia (type), also larvæ and pupæ cases. b. Australia.

Agrees in veination with the preceding.

GENUS **CLANIA**. Walker: iv. 963 (1855).

1063. Clania lewinii.

Oiketicus lewinii. Westwood: P. Z. S., Lond., 1854, p. 231, pl. 37, f. 1.
———— Macalister: Proc. Nat. Hist. Soc., Dublin, 1869, p. 130.
Clania lewinii. Walker: iv. 960 (1855).

a. Australia (type). b. Australia (4), larvæ and pupæ cases.

GENUS **LOMERA**. Walker: iv. 967 (1855).

1064. Lomera boisduvalii.

Oiketicus boisduvalii. Westwood: P. Z. S., Lond., 1854, p. 232, pl. 37, f. 2.
Lomera boisduvalii (?) Walker: iv. 967 (1855).

a. Australia (type), also pupæ and cases. b. New Holland.

I have compared Westwood's type of *Oiketicus boisduvalii* with Walker's type of *Lomera boisduvalii* and find them to be identical.

1065. Lomera albifrons: n. sp.

Frons white, thorax and abdomen covered with fawn-coloured pile, wings fuscous, veination of fore-wings similar to *Lomera boisduvalii* (Westwood), of hind-wings, differs in the sub-costal, running up and touching the costal before the apex and then diverging again, and the bifurcation of the vein in the cell longer.

a. New Holland (type).

GENUS **EUMETA**. Walker: iv. 964 (1855).
Cryptothelia. Walker: (nec Duncan) iv. 970 (1855).

1066. Eumeta crameri.

Oiketicus crameri. Westwood: P. Z. S., Lond., 1854, p. 236, pl. 37, f. 4.
———— Snellen: Tijd. voor Ent., 1885, p. 40.
Eumeta crameri. Moore: Cat. Lep. E. I. C., ii. p. 436 (1859).
———— Lep. Ceylon, ii. p. 102, pl. 118, f. 1. 1. *a* (1882).
———— Heylaerts: Notes Leyd. Mus., vi. p. 130 (1883).

Eumeta nietneri. Felder: Reise Nov. Lep., pl. 83, f. 21 (1868).
Crypothelea consorta. Walker (nec Templeton): iv. 970 (1855).

a. Ceylon (type) (Templeton). b. Ceylon (2). c. Bombay. d. Nilgiri Hills.

1067. Eumeta javanica: n. sp.

A much narrower insect than either *E. crameri* (Westw.) or *E. layardii* (Moore), body thinner, abdomen comparatively short, extending for less than half an inch beyond the wings, wings as long as *E. layardii*, but very much narrower, giving the insect a peculiar character; colouration rufous grey, antennæ and markings of fore-wings very similar to those of *E. layardii*.

Expanse of wings $1\frac{8}{10}$ inches.

Breadth of fore-wing in the centre $\frac{2}{10}$ inch.

a. Java (type).

1068. Eumeta layardii.

Eumeta layardii. Moore: Lep. Ceylon, ii. p. 102, pl. 118, f. 2, 2 *a*.
——————— Heylaerts: Notes Leyd. Mus., vi. p. 129 (1883) (larva).
——————— C. R. Ent. Belg., 1886, p. 174 (1882).
Eumeta crameri. Walker (nec Westw.): iv. 964 (1855).
Oiketicus variegatus. Snellen: Tijd. voor Ent., 1879, p. 114, pl. 9, f. 6 *a*, *b*, *c*, *d*.

Type. Ceylon, in coll. Moore.

a. Ceylon (Thwaites).

1069. Eumeta wallacei: n. sp.

Eumeta wallacei. Moore: MS.

A larger insect than *E. layardii* (Moore), both wings broader, colouration rufous grey, thorax and abdomen covered with long and thickly coated rufous grey pile and without any black streaks, wings very similarly marked; fore and hind-wings with a more uniform colouration, abdomen not nearly so long, extending less than half an inch beyond the wings.

Expanse of wings 2 inches.

a. Sarawak, Borneo (type) (Wallace).

Genus **DAPPULA.** Moore: Lep. Ceylon, ii. p. 103 (1882).

1070. Dappula templetonii.

Oiketicus templetonii. Westwood: P. Z. S., Lond., 1854, p. 234, pl. 36, f. 2.
——————— Heylaerts: Comptes Rendu. Soc. Ent. Belg., 1884, p. 37.
Oiketicus tertius. Templeton: Trans. Ent. Soc., Lond., v. p. 39, pl. 5, f. 1. 5 (1847–49).
Eumeta templetonii. Walker: iv. 965 (1855).
Dappula templetonii. Moore: Lep. Ceylon, ii. p. 104, pl. 118, f. 6. 6 *a*, (1882).

a. Ceylon (type) (Templeton). b. Ceylon (2) (Templeton), pupæ and cases.

Genus **AMATISSA**. Walker: Journ. Linn. Soc., Lond., vi. p. 138 (1862).

Bambalina. Moore: Lep. Ceylon, ii. p. 103 (1882).

1071. Amatissa consorta.

Oiketicus (*Cryptothelia*) *consorta*. Templeton: Trans. Ent. Soc., Lond., v. pl. 5, f. 6, 7 (1847–49).
Oiketicus consortus. Westwood: P. Z. S., Lond., 1854, p. 235, pl. 36, f. 3.
——— Heylaerts: Comptes Rendu. Soc. Ent. Belg., 1884, p. 37.
Bambalina consorta. Moore: Lep. Ceylon, ii. p. 103, pl. 118, f. 3, 3*a* (1882).
Amatissa inornata. Walker: Journ. Linn. Soc., Lond., vi. p. 138 (1862).
——— xxxii. 443 (1865).

a. Ceylon (type) (Templeton), pupæ and cases. **b**. Ceylon (2) (Thwaites). **c**. Sarawak, Borneo (type inornata) (Wallace).

Genus **MANATHA**. Moore: Ann. Mag. N. H. (4), xx. p. 346 (1877).

1072. Manatha albipes.

Manatha albipes. Moore: Ann. Mag. N. H. (4) xx. p. 347 (1877).
——— Lep. Ceylon, ii. p. 105, pl. 118, f. 4, 4*a* (1882).

Type. Ceylon, in coll. Mackwood.
a. Ceylon (Thwaites).

Genus **CHALIA**. Moore: Ann. Mag. N. H. (4), xx. p. 345 (1877).

1073. Chalia doubledaii.

Oiketicus doubledaii. Westwood: P. Z. S., Lond., 1854, p. 235, pl. 34, f. 4.
Psyche doubledaii. Walker: iv. 956 (1855).
Chalea doubledaii. Moore: Ann. Mag. N. H. (4), xx. p. 346 (1877).
——— ——— Lep. Ceylon, ii. p. 106, pl. 118, f. 5, 5*a* (1882).
Oiketicoides doubledaii. Heylaerts: Ann. Ent. Belg., xxv. p. 66 (1881).

a. Ceylon (type) (Templeton). **b**. Ceylon (2) (Templeton), pupæ and cases.

Genus **METISA**. Walker: iv. 957 (1855).

1074. Metisa plana.

Metisa plana. Walker: iv. 958 (1855).
——— Moore: Lep. Ceylon, ii. p. 105, pl. 118, f. 9 (1882).

Type. Ceylon, in B. M.
a. Ceylon (4) (Thwaites).

Genus **CHALIOIDES**. Gen. Nov., Hampson MS. ined.

Antennæ strongly bipectinated, the branches decreasing in length distally as in the Genus *Chalia*; the fore-wing longer and more produced at apex than in that genus; the fore-leg with the femur

covered with long hairs, but with no tibial process such as is present in *Chalia*, *Eumeta*, *Dappula*, *Metisa*, etc. Mouth parts are wanting.

N.B. The veination of *Psychidæ* differs in such an extreme manner in closely allied species ; characters based on it are seldom of more than specific value.

1075. Chalioides vitrea: n. sp. Hampson MS. ined.

♂ Antennæ head, thorax and abdomen black, the wings perfectly transparent with narrow dark margins. Fore-wing with costal vein, two sub-costal branches before the end of the cell, the 3rd from the end, bifid, upper radial from the upper discocellular, the lower radial and third median veinlet from the lower end of cell on a short foot-stalk, the first and second medians from before the end of cell at intervals, a short veinlet in the cell, sub-median anastomosing with an aborted internomedian. Hind-wing with a bar connecting the costal and sub-costal, two sub-costal branches from end of cell, a radial from the middle of discocellulars, 3rd median veinlet from lower end of cell, 2nd and 1st median from before the end at intervals, a veinlet in the cell, submedian and internal veins.

Larva case smooth and tapering at both ends, covered with comminuted vegetable matter.

Expanse of wing 1 inch.

Type. Kandy, Ceylon, in B. M.

a. India.

Chalioides vitrea. *Hampson.*

FAMILY **LIMACODIDÆ.**

GENUS **SCOPELODES**. Westwood: Dunc. Nat. Libr., xxxvii. p. 222 (1841).

Bethura. Walker: Journ. Linn. Soc., Lond., vi. p. 173 (1862).

1076. Scopelodes unicolor.

Scopelodes unicolor. Westwood: Dunc. Nat. Libr., xxxvii. p. 222 (1841).
Scopelodes palpalis. Walker: v. 1105 (1855).
——— Cotes and Swinh. (part.): Cat. Moths of India, ii. 188, 1266 (1887).
Bethura minax. Walker: Journ. Linn. Soc., Lond., vi. p. 173 (1862).
——— xxxii. 492 (1865).

Nyssia micacea. Walker: xxxii. 481 (1865).

Type (*palpalis*). Java, in B. M.

a. Java (type ♀). b. Java (Horsfield). c. Singapore (♂ ♀). d. Sarawak, Borneo (type *minax* ♂) (Wallace). e. Cambodia, Siam (type *micacea* ♀) (Mouhot).

1077. Scopelodes venosa.

Scopelodes venosa. Walker: v. 1105 (1855).
——————— Moore: P. Z. S., Lond., 1867, p. 684.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 188, 1270 (1887).
Scopelodes aurogrisea. Moore: Lep. Ceylon, ii. p. 126, pl. 128, f. 1, 1 *a*, 1 *b* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 187, 1265 (1887).
Scopelodes ursina. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 3, pl. 101, f. 7, 8 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 188, 1269 (1887).

Type. ♂ Sylhet, in B. M.

Type (*aurogrisea*). Ceylon, in coll. Moore.

Type (*ursina* ♂ ♀). Darjiling and Sylhet, in B. M.

a. Sylhet (♂ ♀). b. Ceylon (3 ♂, 1 ♀).

1078. Scopelodes testacea.

Scopelodes testacea. Butler: Ent. Mo. Mag., xxi. p. 156 (1884).
——————— Ill. Typ. Lep. Het., B. M., vi. p. 3, pl. 101, f. 5 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 188, 1268 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 191.
Scopelodes unicolor. Walker (nec Westwood): v. 1104 (1855).

Type. Sylhet, in B. M.

a. India (3).

Genus **HYPHORMA**. Walker: xxxii. 493 (1865).

1079. Hyphorma minax.

Hyphorma minax. Walker: xxxii. 493 (1865).

Type. North China, in B. M.

a. Philippine Islands.

Genus **PARASA**. Moore: Cat. Lep., E. I. C., ii. p. 413 (1859).
Neæra. Herr Schäff.: Lep. Exot. Sp. Nov., i. f. 176 (1855) (nom. preoc.).

1080. Parasa lepida.

Phalæna noctua lepida. Cramer: Pap. Exot., ii. pl. 130, f. 2 (1777).
Parasa lepida. Moore: Cat. Lep. E. I. C., ii. p. 413, pl. 21, f. 3, *a*, *b*, *c*, *d* (larva) (1859).

Parasa lepida. Moore: P. Z. S., Lond., 1867, p. 684.
——— Piepers and Snellen: Tijd. voor Ent., 1877, p. 18, pl. 2, f. 9 (larva and veination).
——— Moore: Lep. Ceylon, ii. p. 127, pl. 128, f. 2, 2 *a*, 2 *b* (1882).
——— Swinhoe: P. Z. S., Lond., 1885, p. 303.
——— P. Z. S., Lond., 1886, p. 439.
——— Cotes and Swinh.: Cat. Moths of India, ii. 190. 1286 (1887).
Limacodes graciosa. Westwood: Cab. Or. Ent., p. 50, pl. 24, f. 4 (1848).
Neæra graciosa. Walker: v. 1139 (1855).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 399 (larva).
Nyssia latifascia. Walker: v. 1136 (1855).
——— Cotes and Swinh.: Cat. Moths of India, ii. 194. 1317 (1887).

Type (*graciosa*). Central India, in coll. Westwood.
Type (*latifascia*). Nepal, in B. M.
a. India (3). b. Bombay (2). c. Ceylon (4) (Thwaites).

1081. Parasa hilaris.

Limacodes hilaris. Westwood: Cab. Or. Ent., p. 50, pl. 24, f. 3 (1848).
Neæra hilaris. Walker: v. 1142 (1855).
Parasa hilaris. Cotes and Swinh.: Cat. Moths of India, ii. 190. 1282 (1887).

Type. Central India, in coll. Westwood.
a. India (3).

1082. Parasa media.

Neæra media. Walker: v. 1140 (1855).

Type. Java, in B. M.
a. Singapore (2) (Horsley).

1083. Parasa humeralis.

Parasa humeralis. Walker: Journ. Linn. Soc., Lond., vi. p. 171 (1862).
——— xxxii. 482 (1865).
Parasa consocia. Walker: xxxii. 484 (1865).
Parasa tessellata. Moore: Ann. Mag., N. H. (4), xx. p. 93 (1877).

Type (*consocia*). Hong Kong, in B. M.
Type (*tessellata*). Shanghai, in coll. Moore.
a. Sarawak, Borneo (type) (Wallace).

1084. Parasa repanda.

Neæra repanda. Walker: v. 1141 (1855).
Parasa repanda. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 6, pl. 102, f. 5 (1886).
——— Cotes and Swinh.: Cat. Moths of India, ii. 191. 1290 (1887).

Type. North India, in B. M.
a. India.

1085. Parasa bicolor.

Neæra bicolor. Walker: v. 1142 (1855).

Parasa bicolor. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 7, pl. 102, f. 11 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 190. 1281 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 192.

Type. North India, in B. M.
a. India (2).

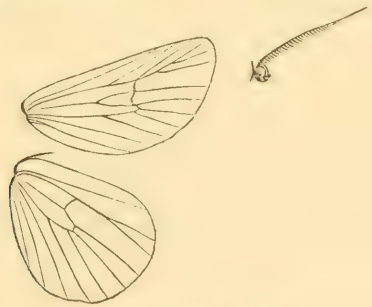
1086. Parasa chrysochroa.

Lamprolepis chrysochroa. Felder: Reise Nov. Lep., pl. 82, f. 13 (1868).
a. Rockhampton, Australia.

Genus **ANAXIDIA.** Gen. Nov.

♂ ♀ Palpi short, hairy and porrect, antennæ of male bipectinated to half the length, the branches short, of female simple, legs hairy, mid and hind tibiæ with terminal pairs of spurs. Fore-wing with veins 3, 4, and 5 from close to lower angle of cell, 6 from just above angle of discocellulars, 7, 8, and 9 stalked, 10 from the angle, a forked veinlet in the cell. Hind-wing with veins 3, 4, and 5 from close to angle of cell, the discocellulars angled, 6 and 7 stalked, 8 free from the base and running close along 7 to middle of cell, a simple veinlet in the cell.

Type (*A. lactea*), Swinhoe.



Anaxidia lactea. *Swinhoe.*

1087. Anaxidia lactea: n. sp.

♂ ♀ Above and below of a uniform pure creamy white colour. Fore-wings with a discal oblique band of black scales, continuous but more or less dentated from hinder margin just beyond the middle to costa one fifth from apex, but touching neither; palpi black; legs with brown knees and ochreous tarsi banded with black.

Expanse of wings $1\frac{1}{2}$ to $1\frac{6}{10}$ inches.

a. Swan River (♂ ♀ types). b. New Holland. c. King George's Sound.

Genus **HILDALA.** Gen. Nov.

♂ Palpi upturned reaching vertex of head and thickly fringed with hairs, antennæ with the basal half bipectinate, the discal serrate,

mid tibiæ with one pair of long spurs, hind tibiæ with two pairs. Fore-wing short, broad and rounded, veination as in the genus *Anaxidia*.

Type (*H. miniacea*), Swinhoe.

1088. Hildala miniacea : n. sp.

♂ Rosy fawn colour. Fore-wings irrorated with very minute black atoms, an indistinct central transverse band formed by them from hinder margin to sub-costal vein, also a more complete but thinner sub-marginal band, bright vermilion streaks in all the interspaces. Hind-wings and underside pale rosy, of a uniform colour, unmarked; legs rosy, a black point at the knees, tarsi with black bands.

Expanse of wings $1\frac{3}{10}$ inches.

a. Port Essington (type).

1089. Hildala uniformis : n. sp.

♂ Of a bright pale reddish fawn colour; above, the hind-wings are slightly paler than the fore-wings, below, both wings are quite uniform in colour, and above and below absolutely without any markings; face, pectus, and femora of fore-legs orange red, pectinations of antennæ extend rather beyond the basal half.

Expanse of wings $1\frac{1}{10}$ inches.

a. Port Essington (type).

GENUS **MIRESA**. Walker: v. 1123 (1855).

1090. Miresa albipuncta.

Nyssia albipuncta. Herr Schäff.: Lep. Exot., i. f. 179 (1853).
Miresa albipuncta. Walker: v. 1123 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 412 (1859).
——————— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 397, pl. 14, f. 8, 8 *c* (larva).
——————— Swinhoe: P. Z. S., Lond., 1886, p. 439.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1305 (1887).
Miresa guttifera. Walker: v. 1124 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 194. 1312 (1887).

a. India (type *guttifera* ♂). b. India ♀. c. India (4). d. India (3) (Hearsay).

1091. Miresa bracteata.

Miresa bracteata. Butler: Ann. Mag. N. H. (5), vi. p. 64 (1880).
——————— Ill. Typ. Lep. Het., B. M., vi. p. 5, pl. 102, f. 2 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1307 (1887).

Type. Darjiling, in B. M.

a. India (4).

1092. Miresa fumifera.

Miresa fumifera. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 195, pl. 6, f. 13.

Type. Rangoon, in B. M.
a. Singapore.

1093. Miresa nivaha.

Miresa nivaha. Moore: Cat. Lep. E. I. C., ii. p. 413 (1859).
———— Walker: xxxii. 474 (1865).
———— Cotes and Swinh.: Cat. Moths of India, ii. 194. 1315 (1887).

Type. Kanara, in B. M.
a. India (3) (Hearsay). b. Bombay. c. Nilgiri Hills.

1094. Miresa rubicunda.

Nyssia rubicunda. Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **NATADA.** Walker: v. 1108 (1855).
Phlossa. Walker: xv. 1673 (1858).
Phocoderma. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 4 (1886).

1095. Natada brevilinea.

Miresa brevilinea. Walker: xxxii. 475 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 684.
———— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1308 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India (Hearsay).

1096. Natada velutina.

Gastropacha velutina. Kollar: Kash. von Hügel, iv. p. 473 (1848).
———— Walker: vi. 1394 (1855).
Phocoderma velutina. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 4, pl. 102, f. 1 (1886).
Natada velutina. Cotes and Swinh.: Cat. Moths of India, ii. 189. 1274 (1887).
Natada rugosa. Walker: v. 1109 (1855).

Type (*rugosa*). Scinde (?), in B. M.
a. Bombay (2). b. Nilgiri Hills. c. India.

1097. Natada congrua. Pl. VIII. f. 6.

Susica congrua. Walker: Journ. Linn. Soc., Lond., vi. p. 172 (1862).
———— xxxii. 473 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Sarawak, Borneo (Wallace).

1098. Natada orthosioides. Pl. VIII. f. 17.

Miresa orthosioides. Walker: Journ. Linn. Soc., Lond., vi. p. 143 (1862).
———————— xxxii. 475 (1865).

a. Sarawak, Borneo (type) (Wallace).

1099. Natada nararia.

Parasa nararia. Moore: Cat. Lep. E. I. C., ii. p. 415, pl. 21, f. 8, 8*a* (larva) (1859).
———————— Walker: xxxii. 482 (1865).
———————— Moore: P. Z. S., Lond., 1867, p. 684.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 191. 1287 (1887).
Susica signata. Moore: Lep. Ceylon., ii. p. 131, pl. 131, f. 1, 1*a*, 1*b* (1882).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1304 (1887).
Susica fraterna. Moore: Lep. Ceylon, ii. p. 131, pl. 131, f. 2, 2*a* (1882).
———————— Cotes and Swinh.: Cat. Moths of India, ii. 192. 1302 (1887).
Susica cosmiana. Swinhoe: P. Z. S., Lond., 1886, p. 440, pl. 40, f. 9.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 192. 1301 (1887).
Miresa suffusa. Moore: P. Z. S., Lond., 1888, p. 403.
Cania suffusa. Butler: Ill. Typ. Lep. Het., B. M., vii. p. 41, pl. 124, f. 5 (1889).

Type ♀. North India, in B. M.
Types (*signata* and *fraterna*). Ceylon, in coll. Moore.
Type (*cosmiana*). Mhow, in B. M.
Type (*suffusa*). Dharmsala, in B. M.
a. Ceylon (Thwaites).

1100. Natada conjuncta.

Limacodes (?) *conjuncta.* Walker: v. 1150 (1855).
Phlossa fimbriares. Walker: xv. 1673 (1858).

Type. North China, in B. M.
a. China (type *fimbriares*).

Genus **ANAPÆA.** Walker: v. 1117 (1855).

1101. Anapæa oxlei.

Bombyx (*Doratifera*?) *oxlei* ♀. Newman: Zoologist, App., p. ccxi (1855).
Pelora oxlei ♂. Walker: v. 1119 (1855).

Type ♂. Sydney, in B. M.
a. New South Wales (4). b. Australia (2). c. New Holland (2). d. Sydney. e. Queensland.

Genus **NAROSA.** Walker: v. 1151 (1855).

1102. Narosa adala.

Narosa adala. Moore: Cat. Lep. E. I. C., ii. p. 418, pl. 11, f. 14, and pl. 21, f. 13 (larva) (1859).

Narosa adala. Moore: Lep. Ceylon, ii. p. 132, pl. 132, f. 3, 3 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 194. 1318 (1887).

Type. Java, in B. M.
a. Nilgiri Hills.

1103. Narosa velutina. Pl. VII. f. 8.

Narosa velutina. Walker: Journ. Linn. Soc., Lond., vi. p. 171 (1862).
———— xxxii. 488 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **ALTHA.** Walker: Journ. Linn. Soc., Lond., vi. p. 173 (1862).

Belgoræa. Walker: xxxii. 497 (1865).

1104. Altha nivea.

Altha nivea. Walker: Journ. Linn. Soc., Lond., vi. p. 173 (1862).
———— xxxii. 492 (1865).
Belgoræa subnotata. Walker: xxxii. 497 (1865).
Candyba punctata. Moore (nec Walker): Cat. Lep. E. I. C., ii. p. 418 (1859).
———— Lep. Ceylon, ii. p. 133, pl. 132, f. 4 (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 303.
———— P. Z. S., Lond., 1886, p. 438.
———— Cotes and Swinh.: Cat. Moths of India, ii. 196. 1326 (1887).

Type (*subnotata*). North India, in B. M.
a. Sarawak, Borneo (type ♂) (Wallace). b. India (4). c. Central India (3) (Hearsay). d. Bombay (2).

The type of *Candyba punctata* (Walker) came from Brazil as stated by Walker, and is in this Museum; it is generically quite distinct from the so-called *C. punctata* of India, an insect common all over India and the Malay Archipelago; identical with *Altha nivea* and *Belgoræa subnotata.*

1105. Altha castaneipars.

Miresa castaneipars. Moore: P. Z. S., Lond., 1865, p. 819.
———— Walker: xxxv. 1936 (1866).
———— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1309 (1887).

Type. Darjiling, in coll. Moore.
a. India. b. Singapore.

GENUS **MECYTHA.** Walker: v. 1121 (1855).

1106. Mecytha humeralis.

Miresa humeralis. Walker: xxxii. 477 (1865).

Type. Moreton Bay, in B. M.
a. Moreton Bay.

1107. Mecytha fasciata.

Teara fasciata. Walker: iv. 851 (1855).
Mecytha semicana. Walker: v. 1121 (1855).

Type (*semicana*). New Holland, in B. M.
a. New South Wales (type).

GENUS **DORATIFERA.** Westwood: Duncan, Nat. Libr., xxxvii., Exot. Moths, p. 181 (1841).

1108. Doratifera vulnerans.

Bombyx vulnerans. Lewin: Prodr. Ent., p. 5, pl. 4 (1805).
——————— Boisd.: Voy. de l'Astrolabe, i. Lep., p. 220 (1832).
Doratifera vulnerans. Westwood: Duncan, Nat. Libr., xxxvii. Exotic Moths, p. 181, pl. 22, f. 5 (1841).
——————— Walker: v. 1116 (1855).

a. New South Wales (2). b. Sydney. c. Swan River. d. New Holland. e. Australia.

1109. Doratifera quadriguttata.

Anapœa quadriguttata. Walker: v. 1117 (1855).
Doratifera lewini. Scott: Austral. Lep., p. 17, pl. 6 (1864).
Doratifera lewini. Walker: xxxv. 1936 (1866).

Type. New South Wales, in B. M.
a. New South Wales (3). b. Queensland. c. West Australia.

1110. Doratifera denotata.

Anapœa denotata. Walker: xxxii. 474 (1865).

Type. Moreton Bay, in B. M.
a. New Holland.

GENUS **PELORA.** Walker: v. 1118 (1855).

1111. Pelora pinguis.

Pelora pinguis. Walker: v. 1119 (1855).

Type. Van Diemen's Land, in B. M.
a. Queensland.

GENUS **THOSEA.** Walker: v. 1068 (1855).

1112. Thosea cervina.

Thosea cervina. Moore: Ann. Mag. N. H. (4), xx. p. 348 (1877).
——————— Lep. Ceylon, ii. p. 130, pl. 129, f. 2, 2*a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 189. 1275 (1887).
Thosea duplexa. Moore: Lep. Ceylon, ii. p. 131, pl. 131, f. 3 (1882).

Thosea duplexa. Cotes and Swinh.: Cat. Moths of India, ii. 189. 1276 (1887).

Type. Ceylon, in coll. Mackwood.
Type (*duplexa*). Ceylon, in coll. Moore.
a. Ceylon (2) (Thwaites).

1113. Thosea aperiens.

Miresa aperiens. Walker: xxxii. 476 (1865).
Aphendala aperiens. Moore: Lep. Ceylon, ii. p. 129, pl. 130, f. 4, 4*a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 191. 1294 (1887).

Type. Ceylon, in coll. Layard.
a. Ceylon (2) (Thwaites). b. India (Hearsay).

1114. Thosea vetusta. Pl. VIII. f. 15.

Nyssia (?) *vetusta.* Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).
Nyssia (?) *biguttata.* Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).

a. Sarawak, Borneo (type ♂) (Wallace). b. Sarawak, Borneo (type ♀ *biguttata*) (Wallace).

1115. Thosea cruda. Pl. VIII. f. 12.

Nyssia cruda. Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **APHENDALA.** Walker: xxxii. 495 (1865).

1116. Aphendala cana.

Parasa cana. Walker: xxxii. 484 (1865).
Aphendala cana. Moore: Lep. Ceylon, ii. p. 129, pl. 130, f. 3, 3*a*, 3*b* (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 303.
———— Cotes and Swinh.: Cat. Moths of India, ii. 192. 1295 (1887).

Type. South India, in B. M.
a. Bombay.

GENUS **SETORA.** Walker: v. 1069 (1855).

1117. Setora nitens.

Setora nitens. Walker: v. 1069 (1855).
Miresa nitens. Piepers and Snellen: Tijd. voor Ent., 1877, p. 16 (larva).
Nyssia cupreiplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 143 (1862).
———— xxxii. 477 (1865).
Nyssia cupreistriga. Walker: Journ. Linn. Soc., Lond., vi. p. 143 (1862).
———— xxxii. 478 (1865).

Nyssia rudis. Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).

Type ♀. Java, in B. M.

a. Java ♂ (Horsfield). b. Sarawak, Borneo (type ♂ *cupreiplaga*) (Wallace). c. Sarawak, Borneo (type ♂ *cupreistriga*) (Wallace). d. Singapore (co-type ♂ *rudis*) (Wallace).

The type of *rudis* from Sarawak is not now in this collection.

Genus **SUSICA**. Walker: v. 1114 (1855).
Tadema. Walker: vii. 1758 (1856).

1118. Susica pallida.

Susica pallida. Walker: v. 1114 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 6, pl. 102, f. 4 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 193. 1303 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 192.
Tadema sinensis. Walker: vii. 1759 (1856).

Type. Maulmein, in B. M.

Type (*sinensis*). Shanghai, in B. M.

a. India.

Genus **DARNA**. Walker: Journ. Linn. Soc., Lond., vi. p. 174 (1862).

1119. Darna metaleuca. Pl. VII. f. 14.

Artaxa metaleuca. Walker: Journ. Linn. Soc., Lond., vi. p. 126 (1862).
———— xxxii. 330 (1865).
Darna plana. Walker: Journ. Linn. Soc., Lond., vi. p. 174 (1862).
———— xxxii. 492 (1865).

a. Sarawak, Borneo (type ♂) (Wallace). b. Sarawak, Borneo (type *plana* ♂) (Wallace).

1120. Darna basalis. Pl. VIII. f. 11.

Susica basalis. Walker: Journ. Linn. Soc., Lond., vi. p. 172 (1862).
———— xxxii. 473 (1865).

a. Sarawak, Borneo (type) (Wallace).

Genus **IDONAUTON**. Gen. Nov.

Palpi upturned, reaching vertex of head, antennæ bipectinated to half their length in male, ciliated in female, tibiæ without spurs in male. Fore-wing with the apex somewhat acute, the 2nd, 3rd, 4th, and 5th sub-costals stalked together, the upper radial from just below the angle of cell. Hind-wing with the two sub-costals on a short stalk.

Type (*I. apicalis*) Walker.

1121. Idonauton apicalis.

Limacodes apicalis. Walker: v. 1150 (1855).
Parasa apicalis. Moore: P. Z. S., Lond., 1867, p. 685.
———— Cotes and Swinh.: Cat. Moths of India, ii. 189. 1280 (1887).
Nyssia rubriplaga. Walker: Journ. Linn. Soc., Lond., vi. p. 144 (1862).
———— xxxii. 478 (1865).

a. Sylhet (type ♀). b. Sarawak, Borneo (type ♂ *rubriplaga*) (Wallace). c. Singapore (with Walker's MS. name *Miresa curvifera*) (Wallace).

Genus **CHEROMETTIA**: Moore: Lep. Ceylon, ii. p. 133 (1882).

1122. Cheromettia ferruginea.

Belippa ferruginea. Moore: Ann. Mag. N. H. (4) xx. p. 348 (1877).
Cheromettia ferruginea. Moore: Lep. Ceylon, ii. p. 134, pl. 132, f. 1, 1 *a*, 1 *b* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 195, 1322 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 196.

Type. Ceylon, in coll. Moore.
a. Ceylon (2) (Thwaites).

Genus **CANIA**. Walker: v. 1177 (1855).

1123. Cania bilinea.

Neæra bilinea. Walker: v. 1142 (1855).
Parasa bilinea. Moore: Cat. Lep. E. I. C., ii. p. 416, pl. 11 *a*, f. 8 (1859).
Cania sericea. Walker: v. 1178 (1855).
———— Butler: Ill. Typ. Lep. Het. B. M., vi. p. 8, pl. 102, f. 7 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 195. 1321 (1887).
Miresa mollis. Walker: xxxii. 475 (1865).
———— Cotes and Swinh.: Cat. Moths of India, ii. 194. 1314 (1887).
Nyssia malaccana. Walker: xxxii. 481 (1865).

Type. China, in B. M.
Type (*sericea*). North India, in B. M.
Type (*mollis*). South India, in B. M.
a. India (♂ ♀). b. Malacca (type ♀ *malaccana*) (Wallace).

Genus **BIRTHAMA**. Walker: Journ. Linn. Soc., Lond., vi. p. 175 (1862).

1124. Birthama obliqua. Pl. VIII. f. 9.

Birthama obliqua. Walker: Journ. Linn. Soc., Lond., vi. p. 175 (1862).
———— xxxii. 493 (1865).

a. Sarawak, Borneo (type) (Wallace).

1125. Birthama junctura.

Hyblæa junctura. Walker: xxxiii. 857 (1855).

a. Cambodia, Siam (type) (Mouhot). b. Borneo.

There is an example of this species in the B. M. from Burma.

1126. Birthama bilineata: n. sp.

♂ Pale reddish fawn colour, fore-wings with nearly the basal half reddish brown limited by an oblique pale straight line from the costa beyond the middle to the hinder margin a little before the middle, the remainder of the wing, the hind-wings, and the whole of the under surface of a uniform pale reddish fawn colour; fore-wings above with another straight reddish line from the costa near the apex to the outer margin before the hinder angle.

Expanse of wings $1\frac{1}{10}$ inches.

a. Philippine Islands (type).

Allied to the preceding; the wings are shorter, the outer margin of the basal band of fore-wings less oblique and deeper and is further characterized by the straight sub-marginal line.

Genus **ARRHAPA.** Walker: Journ. Linn. Soc., Lond., vi. p. 174 (1862).

1127. Arrhapa frontalis.

Arrhapa frontalis. Walker: Journ. Linn. Soc., Lond., vi. p. 174 (1862).
——————— xxxii. 492 (1865).

a. Sarawak, Borneo (type) (Wallace).

Family **DREPANULIDÆ.**

Genus **EUCHERA.** Hübner: Zuträge, iii. 29. 260 (1832).
Nelcynda. Walker: xxiv. 1142 (1862).

1128. Euchera substigmaria.

Euchera substigmaria. Hübn.: Zutr., 29. 260, f. 519, 520 (1832).
——————— Moore: P. Z. S., Lond., 1867, p. 613.
——————— Cotes and Swinh.: Cat. Moths of India, iv. 474, 3119 (1888).
Cyclidia substigmaria. Guén.: Phal., i. 63. 76 (1857).
——————— Walker: xx. 56 (1860) and xxvi. 1121 (1862).

a. Sylhet. b. India (4). c. Assam (2) (Jenkins).

1129. Euchera rectificata.

Nelcynda rectificata. Walker: xxiv. 1142 (1862).
——————— Moore: P. Z. S., Lond., 1867, p. 651.
Chorodna rectificata. Cotes and Swinh.: Cat. Moths of India, iv. 475. 3128 (1888).
Cyclidia muricolaria. Walker: xxvi. 1438 ♀ (1862).
Chorodna muricolaria. Moore: P. Z. S., Lond., 1867, p. 614.

Chorodna muricolaria. Cotes and Swinh.: Cat. Moths of India, iv. 475. 3124 (1888).
Cyclidia patulata. Walker: xxxv. 1537 (1866).
Chorodna patulata. Moore: P. Z. S., Lond., 1867, p. 614.

Type. Without locality, in B. M.
Type (*patulata*). Darjiling, in coll. Stgudinger.
a. India (3).

GENUS **DREPANA**. Schrank: Faun. Boic., ii. 2. 155 (1809).
Canucha. Walker: xxxv. 1574 (1866).

1130. Drepana curvaria. Pl. VII. f. 1.

Canucha curvaria. Walker: xxxv. 1574 (1866).
a. Mysol (type) (Wallace).

1131. Drepana trilinearia.

Drepanodes trilinearia. Moore: P. Z. S., Lond., 1867, p. 618.
——————— Cotes and Swinh.: Cat. Moths of India, iv. 477. 3143 (1888).

Type. Darjiling, in coll. Moore.
a. India (2).

1132. Drepana quadripunctata.

Drepana quadripunctata. Walker: Journ. Linn. Soc., Lond., vi. p. 175 (1862).
——————— xxxii. 510 (1865).
a. Sarawak, Borneo (type) (Wallace).

1133. Drepana micacea. Pl. VII. f. 17.

Drepana micacea. Walker: Journ. Linn. Soc., Lond., vi. p. 176 (1862).
——————— xxxii. 551 (1865).
a. Sarawak, Borneo (type) (Wallace).

GENUS **DEROCA**. Walker: iv. 822 (1855).

1134. Deroca hyalina.

Deroca hyalina. Walker: iv. 823 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 138. 899 (1887).

Type. Himalaya Mountains, in B. M.
a. India (2).

1135. Deroca inconclusa.

Cypra (?) *inconclusa.* Walker: vii. 1727 (1856).
Deroca maculata. Moore: P. Z. S., Lond., 1872, p. 575.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 139. 900 (1887).

Type. Without locality, in B. M.
a. India (type *maculata*).

GENUS **ALBARA**. Walker: xxxv. 1566 (1866).
Agnidra. Moore: P. Z. S., Lond., 1867, p. 618.

1136. Albara reversaria. Pl. VII. f. 9.

Albara reversaria. Walker: xxxv. 1567 (1866).

a. Sumatra (type) (Wallace).

1137. Albara muscularia.

Fascellina muscularia. Walker: xxxv. 1554 (1866).
Agnidra muscularia. Moore: P. Z. S., Lond., 1867, p. 619, pl. 32, f. 2.
———— Cotes and Swinh.: Cat. Moths of India, ii. 186. 1254 (1887).

Type. North India, in B. M.
a. India.

1138. Albara discispilaria.

Agnidra discispilaria. Moore: P. Z. S., Lond., 1867, p. 619.
———— Cotes and Swinh.: Cat. Moths of India, ii. 186. 1253 (1887).
Agnidra usta. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 17, pl. 106, f. 2 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 186. 1256 (1887).

Type. Bengal, in coll. Russell.
Type (*usta*). Darjiling, in B. M.
a. India.

1139. Albara specularia.

Fascellina specularia. Walker: xxxv. 1553 (1866).
Agnidra specularia. Moore: P. Z. S., Lond., 1867, p. 618, pl. 32, f. 2.
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 17, pl. 105, f. 11, 12 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 186. 1255 (1887).

Type. North India, in B. M.
a. India.

GENUS **ORETA**. Walker: v. 1166 (1855).

1140. Oreta extensa.

Oreta extensa. Walker: v. 1166 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 370, pl. 11 *a*, f. 2 and pl. 18, f. 3 (larva) (1859).
———— P. Z. S., Lond. 1867, p. 683.
———— ———— Lep. Ceylon, ii. p. 119, pl. 124, f. 3, 3 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 185. 1246 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 190.

Oreta suffusa. Walker: v. 1167 (1855).

Type. Maulmein, in B. M.

Type (*suffusa*). Celyon, in B. M.

a. Japan.

1141. Oreta pavica.

Oreta pavica. Moore: P. Z. S., Lond., 1865, p. 815.

——————— Cotes and Swinh.: Cat. Moths of India, ii. 185. 1248 (1887).

Type. Darjiling, in coll. Moore.

a. India (2).

1142. Oreta obtusa.

Oreta obtusa. Walker: v. 1167 (1855).

——————— Cotes and Swinh.: Cat. Moths of India, ii. 185. 1247 (1887).

Oreta vatama. Moore: P. Z. S., Lond., 1865, p. 816.

——————— Cotes and Swinh.: Cat. Moths of India, ii. 185. 1250 (1887).

——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 191.

Type. Sylhet, in B. M.

Type (*vatama*). Darjiling, in coll. Moore.

a. India (2).

1143. Oreta singapura: n. sp. Pl. VII. f. 15.

♀ Fawn colour, head, pectus, and fore-legs crimson, wings with a few brown irrorations here and there, not striated as is usual in this genus, a bunch of pure white raised scales at the end of cell of fore-wings, a brown straight line across both wings, from apex of fore-wings to abdominal margin of hind-wings one-third from the base, indistinctly marked with white on the fore-wings on the outer side, a blackish spot with some white scales in it on the hinder margin of fore-wings near the angle, the space outside the transverse line rather darker than the rest of the wings, and on the hind-wings there is a whitish space on the basal half of the costa; cilia of fore-wings brown, of hind-wings fawn colour, underside like upperside but more or less suffused with reddish, and with some indications of brown striations on the wings, hinder margin of fore-wings whitish.

Expanse of wings $1\frac{8}{10}$ inches.

a. Singapore (type) (Horsley).

Allied to *O. extensa*, but easily distinguishable by the straight line across both wings and by the blackish patch on hinder margin of fore-wings near the hinder angle.

GENUS **CALLIDREPANA**. Felder: Sitzber. Acad. Wiss., xliii. p. 30 (1861).

1144. Callidrepana patrana.

Drepana patrana. Moore: P. Z. S., Lond., 1865, p. 816.

Drepana patrana. Cotes and Swinh.: Cat. Moths of India, ii. 184. 1240 (1887).

Type. Darjiling, in coll. Moore.
a. Borneo.

1145. Callidrepana argenteola.

Drepana argenteola. Moore: Cat. Lep. E. I. C., ii. p. 369, pl. 11 *a*, f. 1, (1859).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 190.

Type. Java, in B. M.
a. India.

GENUS **TICILIA.** Walker: xxxii. 394 (1865).

1146. Ticilia argentilinea. Pl. VII. f. 13.

Ticilia argentilinea. Walker: xxxii. 394 (1865).

a. Singapore (type ♀) (Wallace). b. Sula ♂ (Wallace).
The type is a female and not a male as stated by Walker.

GENUS **PHALACRA.** Walker: xxxv. 1638 (1866).

1147. Phalacra vidhisara.

Hemerophila vidhisara. Walker: xxi. 319 ♀ (1860).
Phalacra vidhisara. Swinhoe: P. Z. S., Lond., 1885, p. 860.
——————— Moore: Lep. Ceylon, iii. p. 541, pl. 201, f. 1, 1 *a* (1887).
——————— Cotes and Swinh.: Cat. Moths of India, iv. 587. 4011 (1888).
Phalacra metagonaria. Walker: xxxv. 1639 ♂ (1866).
——————— Moore: P. Z. S., Lond., 1867, p. 79.

Type. Ceylon, in B. M.
Type (*metagonaria*). India, in B. M.
a. Alibagh, Bombay (Swinhoe).

FAMILY **SATURNIIDÆ.**

GENUS **ATTACUS.** Hübner: Verz. Schm., p. 155 (1816).

1148. Attacus atlas.

Phalæna atlas. Linn.: Mus. Lud. Ulr., p. 366 (1764).
——————— Syst. Nat., i. ii. p. 808 (1767).
——————— Cramer: Pap. Exot., iv. pl. 381, f. C, and pl. 382, f. A (1781).
Bombyx atlas. Fabr.: Ent. Syst., i. p. 556 (1775).
——————— Sp. Ins., ii. p. 167 (1781).
——————— Mant. Ins., ii. p. 108 (1787).
——————— Ent. Syst., iii. p. 407 (1793).

Bombyx Atlas. Olivier: Enc. Méth. Ins., v. p. 24, pl. 69, f. 1 (1789).
Attacus atlas. Hübner: Verz. Schm., 156. 1625 (1816).
———— Walker: v. 1218 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 405, pl. 20, f. 2, 2*a* (larva) (1859).
———— Wardle's Wild Silks of India, p. 4, pls. 9, 10 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 224. 1535 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 197.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 278 (1891).

a. Borneo (2). **b.** Singapore (2) (Horsley). **c.** Java (Wallace). **d.** Without locality (14). **e.** Poona. **f.** Sylhet.

1149. Attacus edwardsii.

Attacus edwardsii. White: P. Z. S., Lond., 1859, p. 115, pl. 57.
———— Moore: Cat. Lep. E. I. C., ii. p. 406 (1859).
———— Walker: xxxii. 524 (1865).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 60, pls. 92, 93 (1881).
———— Moore: Wardle's Wild Silks of India, p. 4 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 224. 1538 (1887).

Type. Darjiling, in B. M.
a. India (4). **b.** India (Hutton). **c.** Assam.

GENUS **PHILOSAMIA.** Grote: P. Ac. Philad., xiv. p. 258 (1874).

1150. Philosamia cynthia.

Phalæna (Attacus) cynthia. Drury: Exot. Ins., ii. pl. 6, f. 2 (1773).
———— Cramer: Pap. Exot., i. pl. 39, f. A (1775).
Bombyx cynthia. Olivier: Enc. Méth., v. 30. 26 (1789).
Phalæna cynthia. Roxburg: Trans. Linn. Soc., Lond., vii. p. 42, pl. 3 (1804).
———— Helfer: Journ. As. Soc. Beng., vi. p. 45, pl. 5 (1837).
Samia cynthia. Hübner: Verz. Schm., 156. 1629 (1816).
Saturnia cynthia. Westwood: ed. Drury, ii. p. 12, pl. 6, f. 2 (1837).
Attacus cynthia. Walker: v. 1220 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 407, pl. 20, f. 3, 3*a* (larva) (1859).
———— Wardle's Wild Silks of India, p. 4, pl. 19, f. 1, 2 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 224. 1537 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 279 (1891).
Philosamia cynthia. Grote: P. Ac. Philad., xiv. p. 258 (1874).

a. India (2). **b.** Sylhet (3).

1151. Philosamia ricini.

Saturnia ricini. Boisd.: Ann. Soc. Ent. Fr. (3), ii. p. 755 (1854).
Attacus ricini. Moore: Cat. Lep. E. I. C., ii. p. 407 (1859).

Attacus ricini. Walker: xxxii. 525 (1865).
——— Moore: Wardle's Wild Silks of India, p. 4, pl. 8, f. 1, 2 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 225. 1541 (1887).
Attacus lunula. Walker: v. 1221 (1855).
——— Moore: Wardle's Wild Silks of India, p. 5 (1881).
Philosamia lunula. Butler: Ill. Typ. Lep. Het., B. M., v. p. 60, pl. 94, f. 1 (1881).

a. Sylhet (type *lunula*). b. China (3). c. Java (3). d. Without locality (6).

1152. Philosamia iole.

Saturnia iole. Westwood: P. Z. S., Lond., 1881, p. 144, pl. 12, f. 1.
——— Cotes and Swinh.: Cat. Moths of India, ii. 226. 1548 (1887).

a. Assam (type).

Genus **ACTIAS.** Leach: Zool. Misc., ii. p. 25 (1815).
Tropæa. Hübner: Verz. Schm., p. 152 (1816).
Plectropteron. Hutton: Ann. N. H., xvii. p. 60 (1846).

1153. Actias selene.

Echidna selene. Hübner: Samml. Exot. Schm., i. p. 172 (1806).
Actias selene. Leach: Zool. Misc., ii. p. 26, pl. 70 (1815).
——— Moore: Cat. Lep. E. I. C., ii. p. 400, pl. 19, f. 3, 3*a* (larva) (1859).
——— Wardle's Wild Silks of India, p. 5, pl. 13, f. 1, and pl. 14 (1881).
——— Lep. Ceylon, ii. p. 123, pl. 126, f. 1, 1*a* (1882).
——— Swinhoe: P. Z. S., Lond., 1885, p. 306.
——— Cotes and Swinh.: Cat. Moths of India, ii. 223. 1534 (1887).
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 277 (1891).
Tropæa selene. Hübner: Verz. Schm., p. 152 (1816).
Walker: vi. 1262 (1855).
Plectropteron selene. Hutton: Trans. Ent. Soc., Lond., 1847, p. 85.
Plectropteron dianæ. Hutton: Ann. N. H., xvii. p. 60 (1846).
——— ——— Trans. Ent. Soc., Lond., 1847, p. 45, pl. 5, f. 11.
Phalæna (Attacus) luna. Cramer (nec Drury): Pap. Exot., i. pl. 31, f. A, B (1775).

a. India (3). b. Sylhet. c. Java. d. China. e. Without locality (6). f. Poona.

1154. Actias mænas.

Actias mænas. Double: Ann. N. H., xix. p. 95, pl. 7, f. 1 (1847).
——— Westwood: Cab. Or. Ent., p. 45, pl. 22, f. 1 (1848).
——— Massen und Weymer: Beitr. zur Schm., 1872, f. 25, 26.
——— Moore: Wardle's Wild Silks of India, p. 5 (1881).

Actias mænas. Cotes and Swinh.: Cat. Moths of India, ii. 223. 1533 (1887).
Tropæa mænas. Walker: vi. 1263 (1855).

a. Darjiling (2). b. India (2). c. Siam (Mouhot). d. Without locality (3).

GENUS **LOEPA.** Moore: Cat. Lep. E. I. C., ii. p. 399 (1859).

1155. Loepa katinka.

Saturnia katinka. Westwood: Cab. Or. Ent., p. 25, pl. 12, f. 2 (1848).
Antheræa katinka. Walker: v. 1251 (1855).
Loepa katinka. Moore: Cat. Lep. E. I. C., ii. p. 399, pl. 20, f. 1, 1*a* (larva) (1859).
———— Walker: xxxii. 530 (1865).
———— Moore: Wardle's Wild Silks of India, p. 7 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 227. 1554 (1887).

a. Assam (type ♂). b. Sylhet (Ashmol. Mus.). c. Java (2) (Horsfield).

1156. Loepa miranda.

Loepa miranda. Moore: Trans. Ent. Soc., Lond. (3), ii. p. 424 (1864).
———— Walker: xxxv. 1944 (1866).
———— Moore: P. Z. S., Lond., 1867, p. 684.
———— Wardle's Wild Silks of India, p. 7 (1881).
———— Cotes and Swinh: Cat. Moths of India, ii. 227. 1555 (1887).
Antheræa miranda. Moore: P. Z. S., Lond., 1865, p. 818.

Type. Darjiling, in coll. Moore.
a. Darjiling. b. India (2).

1157. Loepa sikkima.

Loepa sikkima. Moore: P. Z. S., Lond., 1865, p. 818.
———— Wardle's Wild Silks of India, p. 7 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 227. 1556 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 198.

Type. Darjiling, in coll. Russell.
a. India (4).

GENUS **SATURNIA.** Schrank: Faun. Boic., ii. 2. 149. 1 (1802).

1158. Saturnia grotei.

Saturnia grotei. Moore: P. Z. S., Lond., 1859, p. 265, pl. 65, f. 2.
———— Cat. Lep. E. I. C., ii. p. 404 (1859).
———— Walker: xxxii. 530 (1865).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 61, pl. 94, f. 3, 4 (1881).
———— Moore: Wardle's Wild Silks of India, p. 7 (1881).

Saturnia grotei. Cotes and Swinh.: Cat. Moths of India, ii. 226. 1547 (1887).

Type. Darjiling, in B. M.
a. Darjiling.

GENUS **SALASSA.** Moore: P. Z. S., Lond., 1859, p. 246.

1159. Salassa lola.

Saturnia lola. Westwood: Cab. Or. Ent., p. 25, pl. 12, f. 3 (1848).
Antheræa lola. Walker: v. 1252 (1855).
Salassa lola. Moore: P. Z. S., Lond., 1859, p. 246.
——————— Wardle's Wild Silks of India, p. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 230. 1569 (1887).

Type. Sylhet, in coll. Harrington.
a. India ♂. b. Sylhet ♀.

GENUS **RHODIA.** Moore: P. Z. S., Lond., 1872, p. 578.

1160. Rhodia newarra.

Rhodia newarra. Moore: P. Z. S., Lond., 1872, p. 578.
——————— Wardle's Wild Silks of India, p. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 231. 1575 (1887).

Type ♂. Kathmandoo Nepal, in coll. Moore.
a. India (type ♀). b. India ♂. c. Darjiling (2).
The type ♀ has Moore's own type label on it, though he does not refer to it as in Mus. Oxon.

GENUS **RINACA.** Walker: vi. 1274 (1855).

1161. Rinaca zuleika.

Saturnia zuleika. Hope: Trans. Linn. Soc., Lond., xix. p. 132, pl. 11, f. 5 (1845).
Rinaca zuleika. Walker: vi. 1275 (1855).
——————— Moore: P. Z. S., Lond., 1867, p. 684.
——————— Massen und Weymer: Beitr. zur Schm., ii. f. 24 (1872).
——————— Moore: Wardle's Wild Silks of India, p. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 230. 1574 (1887).

Type. Sylhet, in coll. Parry.
a. India (4).

GENUS **NEORIS.** Moore: Trans. Ent. Soc., Lond., 1862, p. 321.

1162. Neoris huttoni.

Neoris huttoni. Moore: Trans. Ent. Soc., Lond., 1862, p. 321.
——————— Wardle's Wild Silks of India, p. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 226. 1551 (1887).

Type. Masuri, in coll. Moore.
a. India (2) (Hutton). b. Darjiling.

GENUS **CALIGULA**. Moore: Trans. Ent. Soc., Lond., 1862, p. 321.

1163. Caligula thibeta.

Saturnia thibeta. Westwood: P. Z. S., Lond., 1853, p. 166.
——————————— Ann. N. H. (2), xv. p. 302 (1855).
Antheræa thibeta. Walker: v. 1250 (1855).
Caligula thibeta. Moore: Trans. Ent. Soc., Lond., 1862, p. 321.
——————————— P. Z. S., Lond., 1867, p. 684.
——————————— Wardle's Wild Silks of India, p. 6 (1881).
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 230. 1572 (1887).

Type. Thibet, in coll. Westwood.
a. India (2) (Hutton).

1164. Caligula simla.

Saturnia simla. Westwood: Cab. Or. Ent., p. 41, pl. 20, f. 1 (1848).
Antheræa simla. Walker: v. 1249 (1855).
——————————— Moore: Cat. Lep. E. I. C., ii. p. 399 (1859).
Caligula simla. Moore: Wardle's Wild Silks of India, p. 6 (1881).
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 230. 1571 (1887).

a. Simla (types ♂ ♀). b. India (5).

1165. Caligula castanea: n. sp.

♂ ♀ Of the colouration of *C. simla* but much smaller, the pale band on the fore-wings as pale as in that species but narrower, markings very similar to *C. japonica*, Butler: Ann. Mag. N. H. (4), xx. p. 479 (1877), of which it is no doubt merely a pale form; but this form seems to be constant, and there is a fine series of it unnamed in the B. M.

Expanse of wings $4\frac{1}{2}$ to $4\frac{8}{10}$ inches.
Type ♂. Japan in B. M.
a. Japan (type ♀).

1166. Caligula extensa.

Rinaca extensa. Butler: Ill. Typ. Lep. Het., B. M., v. p. 61, pl. 94, f. 2 (1881).
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 230. 1573 (1887).

Type. Darjiling, in B. M.
a. India.

Nearly allied to *C. simla*, but the difference in the markings in the centre of the fore-wings seems to be constant in all the examples I have examined.

GENUS **ANTHERÆA**. Hübner: Verz. Schm., p. 152 (1816).

1167. Antheræa hazina.

Antheræa hazina. Butler: Trans. Ent. Soc., Lond., 1881, p. 13.

Type. Japan, in B. M.
a. Japan.

1168. Antheræa calida.

Antheræa calida. Butler: Trans. Ent. Soc., Lond., 1881, p. 14.

Type. Japan, in B. M.

a. Japan.

1169. Antheræa pernyi.

Bombyx (Saturnia) pernyi. Guérin: Rev. et Mag. de Zool., 1855, p. 297, pl. 6, f. 1.
Antheræa pernyi. Walker: vi. 1379 (1855).
——— Kirby: J. R. Dubl. Soc., vi. p. 203 (1872).
——— Millière: Ann. Soc. L. Lyon, xxv. p. 1, pl. 155, f. 1, 5 (larva) (1879).
——— Gauckler: Ent. Nachr., xii. p. 86 (1886).
——— Leech: P. Z. S., Lond., 1888, p. 633.

a. China (2).

1170. Antheræa yama-mai.

Bombyx yama-mai. Guérin: Rev. et Mag. de Zool., xiii. p. 435 (1861).
——— Comptes Rendus, lxv. p. 946 (1867).
Antheræa yama-mai. Walker: xxxii. 528 (1865).
——— Kirby: J. R. Dubl. Soc., vi. p. 203 (1872).

a. Japan.

1171. Antheræa mylitta.

Phalæna (Attacus) mylitta. Drury: Ill. Exot. Ins., ii. pl. 5, fig. 1 (1773).
Bombyx mylitta. Fabr.: Syst. Ent., 558. 6 (1775).
——— Olivier: Enc. Méth., v. 26. 9, pl. 69, f. 5 (1789).
Antheræa mylitta. Hübner: Verz. Schm., 152. 1589 (1816).
——— Walker: v. 1247 (1855), and vi. 1378 (1855).
——— Moore: Wardle's Wild Silks of India, p. 5, pl. 2, f. 1, 2 (1881).
——— Aurivillius: Sv. Akad. Hand., xix. 5, p. 148 (Note), (1882).
——— Cotes and Swinh.: Cat. Moths of India, ii. 228. 1564 (1887).
Saturnia mylitta. Westwood: ed. Drury, ii. p. 10, pl. 5, f. 1 (1837).
Attacus mylitta. Blanch.: Jacq. Voy. dans l'Inde, p. 24, pl. 3, f. 1, 2 (1844).
Phalæna paphia. Cramer: Pap. Exot., ii. pl. 147, f. A, B (1777).
——— Roxburgh: Trans. Linn. Soc., Lond., vii. p. 33 (1804).
Saturnia paphia. Helfer: Journ. As. Soc. Beng., vi. p. 42 (1837).
Antheræa paphia. Moore: Cat. Lep. E. I. C., ii. p. 385, pl. 19, f. 1, 1*a* (larva) (1859).
——— Beavan: Proc. Ent. Soc., Lond. (3), ii. pp. 40–43, (864–66).
Antheræa nebulosa. Hutton: Journ. As. Soc. Beng., 1869, p. 16.
——— Moore: Wardle's Wild Silks of India, p. 5 (1881).
——— Swinhoe: P. Z. S., Lond., 1885, p. 306, and 1886, p. 441.
——— Cotes and Swinh.: Cat. Moths of India, ii. 229. 1565 (1887).

a. India (6). b. Central India. c. Without locality (7).

1172. Antheræa frithi.

Antheræa frithi. Moore: P. Z. S., Lond., 1859, p. 256, pl. 65, f. 1.
———— Cat. Lep. E. I. C., ii. p. 396 (1859).
———— Walker: xxxii. 527 (1865).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 59, pl. 91, f. 8 (1881).
———— Moore: Wardle's Wild Silks of India, p. 6 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 228. 1561 (1887).

Type. Darjiling in B. M.

a. Darjiling. b. India (2) (Drinkwater). c. Buxar, Bhootan (Holland).

1173. Antheræa roylei.

Antheræa roylei. Moore: P. Z. S., Lond., 1859, p. 265, pl. 64, f. 1.
———— Cat. Lep. E. I. C., ii. p. 397 (1859).
———— Walker: xxxii. 527 (1865).
———— Moore: Wardle's Wild Silks of India, p. 6, pl. 7, f. 1 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 229. 1567 (1887).

Type. Darjiling, in B. M.

a. India (3). b. India (Hutton).

1174. Antheræa eucalypti.

Antheræa eucalypti. Scott: Austral. Lep., i. pl. 1 (1864).
Antheræa eucalypti. Walker: xxxv. 1943 (1866).
———— Guest: Trans. R. Soc. Austral., v. p. 95 (1882).

a. Australia. b. New South Wales (3). c. Port Philip (2). d. Victoria (2). e. Van Diemen's Land. f. Sydney.

1175. Antheræa helena.

Saturnia helena. White: Ann. Mag. N. H., xii. p. 344 (1843).
Antheræa helena. Walker: v. 1253 (1855).

Type. Australia, in B. M.

a. New Holland. b. Australia (2). c. Van Diemen's Land (2). d. Moreton Bay. e. New South Wales.

1176. Antheræa astrophela.

Antheræa astrophela. Walker: v. 1255 (1855).
———— xxxii. 528 (1865).

a. New South Wales (type ♀). b. New South Wales ♀. c. New Holland ♀.

1177. Antheræa helferi.

Antheræa helferi. Moore: P. Z. S., Lond., 1859, p. 257, pl. 64, f. 2.
———— Cat. Lep. E. I. C., ii. p. 397 (1859).
———— Walker: xxxii. 527 (1865).
———— Moore: Wardle's Wild Silks of India, p. 6 (1881).

Antheræa helferi. Cotes and Swinh.: Cat. Moths of India, ii. 228. 1562 (1887).

Type. Darjiling, in B. M.

a. India (2).

1178. Antheræa assamensis.

Saturnia assamensis. Helfer: Journ. As. Soc. Beng., vi. p. 43 (1837).
Saturnia assama. Westwood: Cab. Or. Ent., p. 42, pl. 20, f. 2 (1848).
Antheræa assama. Walker: v. 1249 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 398, pl. 19, f. 2, 2*a*, (larva) (1859).
——————— Wardle's Wild Silks of India, p. 6 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 228. 1559 (1887).
Antheræopsis assama. Wood-Mason, Annual Report Indian Mus., p. 21 (1886).

a. Assam (type ♂ *assama*). b. India (3). c. Assam.

1179. Antheræa alephostra: n. sp.

♀ Of a uniform pale lilac grey colour, antennæ red, ocelli on both wings small, round on the fore-wings with a small hyaline centre, oval on hind-wings without a hyaline centre, central portions on both wings yellowish grey ringed with lilac grey including a pale yellowish grey line on the inner sides. Fore-wings with indications of an upright grey band one-fifth from base, and with a nearly straight duplex band enclosing a pale grey band from centre of hinder margin to costa one-sixth from apex, veins of both wings dark. Hind-wings unmarked. Underside also uniform in colour but paler than upperside, both wings crossed by outwardly curved somewhat sinuous grey bands, one before the middle and two discal.

Expanse of wings $5\frac{1}{2}$ inches.

a. Waigiau (type) (Wallace).

1180. Antheræa pristina.

Antheræa pristina. Walker: xxxii. 529 (1865).

a. New Guinea (type) (Wallace).

1181. Antheræa janetta.

Saturnia janetta. White: Ann. Mag. N. H., xii. p. 344 (1843).
Antheræa janetta. Walker: v. 1256 (1855).
Saturnia melvilla. Westwood: P. Z. S., Lond., 1853, p. 166.
——————— Ann. N. H. (2), xv. p. 303 (1855).
——————— Walker: vi. 1274 (1855).
Antheræa disjuncta. Walker: xxxii. 529 (1865).

Type. Australia, in B. M.

Type (*disjuncta*). Moreton Bay, in B. M.

a. Melville Island (type *melvilla* ♂). b. Australia ♂. c. New South Wales ♀. d. Moreton Bay ♀. e. Queensland ♀. f. Rockhampton (2).

GENUS **CRICULA**. Walker: v. 1186 (1855).

1182. Cricula trifenestrata.

Saturnia trifenestrata. Helfer: Journ. As. Soc. Beng., vi. 45. 10 (1837).
——— Herr Schäff.: Lep. Exot., i. pl. 17, f. 80 (1853).
Cricula trifenestrata. Walker: v. 1187, and 1196 (1855).
——— xxxii. 530 (1865).
——— Moore: Cat. Lep. E. I. C., ii. p. 384, pl. 18, f. 7 *a*, *b*, *c* (larva) (1859).
——— Wardle's Wild Silks of India, p. 7 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 200. 1354 (1887).
Saturnia zuleika. Westwood: Cab. Or. Ent., p. 25, pl. 12, f. 1 (1848).
Antheræa zuleika. Walker: v. 1252 (1855).
Euphranor multifenestrata. Herr Schäff.: Lep. Exot., i. pl. 61, f. 556 (1853).

Type (♂ *zuleika*). Sylhet, in coll. Harrington.
a. India (2). b. Assam (Jenkins). c. Sylhet. d. Burma. e. Java (2) (Horsfield).

FAMILY **BRAHMÆIDÆ.**

GENUS **BRAHMÆA**. Walker: vi. 1315 (1855).

1183. Brahmæa wallichii.

Brahmæa wallichii. Gray: Zool. Misc., p. 39 (1832).
——— Lep. Ins. Nepal, pls. 15, 16 (1833).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 63, pl. 95, f. 5, 6 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 231. 1579 (1887).
Bombyx spectabilis. Hope: Trans. Linn. Soc., Lond., xviii. p. 443, pl. 31, f. 3 (1841).
Brahmæa certhia. Walker (nec Fabr.): vi. 1316 (1855).
——— Moore: Cat. Lep. E. I. C., ii. p. 410 (1859).
——— Butler: P. Z. S., Lond., 1866, p. 118, f. 1.
——— Moore: P. Z. S., Lond., 1867, p. 685.
Brahmæa conchifera. Butler: Ann. Mag. N. H. (5), v. p. 188 (1880).
——— Ill. Typ. Lep. Het., B. M., v. p. 63, pl. 95, f. 3, 4 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 231. 1578 (1887).
Brahmæa rufescens. Butler: Ann. Mag. N. H. (5), vi. p. 62 (1880).
——— Cotes and Swinh.: Cat. Moths of India, ii. 231. 1577 (1887).

Type. Nepal, in B. M.
Type (*conchifera*). Sylhet, in B. M.
Type (*rufescens*). N. E. Bengal, in coll. Moore.
a. Assam (type *spectabilis*). b. Assam. c. India (2).

1184. Brahmæa hearseyi.

Brahmæa hearseyi. White: Proc. Ent. Soc., Lond., 1862, p. 26.
Brahmæa whitei. Butler: P. Z. S., Lond., 1866, p. 119, f. 2.
——————— Moore: P. Z. S., Lond., 1867, p. 685.
——————— Massen und Weymer: Beitr. zur Schm., ii. f. 17 (1872).
——————— Butler: Ill. Typ. Lep. Het., B. M., v. p. 62, pl. 95, f. 1, 2 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 231. 1580 (1887).

Type Darjiling, in B. M.
a. India (2). b. Sylhet (2).

1185. Brahmæa japonica.

Brahmæa japonica. Butler: Ent. Mo. Mag., x. p. 56 (1873).
——————— Ill. Typ. Lep. Het., B. M., ii. p. 17, pl. 26, f. 3 (1878).
——————— Leech: P. Z. S., Lond., 1888, p. 635.

Type. Japan, in B. M.
a. Japan.

Family **BOMBYCIDÆ.**

Genus **ANDRACA.** Walker: xxxii. 581 (1865).

1186. Andraca trilochoides.

Andraca trilochoides. Moore: P. Z. S., Lond., 1865, p. 820.
——————— Waterhouse: Aid., ii. pl. 132, f. 1, 2 (1883).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 196. 1329 (1887).

Type. Sikhim, in coll. Moore.
a. India (2).

Genus **GUNDA.** Walker: Journ. Linn. Soc., Lond., vi. p. 176 (1862).

Aristhalla. Moore: P. Z. S., Lond., 1878, p. 704.

1187. Gunda ochracea. Pl. VII. f. 4.

Gunda ochracea. Walker: Journ. Linn. Soc., Lond., vi. p. 177 (1862).
——————— xxxii. 579 (1865).

a. Sarawak, Borneo (type) (Wallace).

Genus **NORASUMA.** Moore: P. Z. S., Lond., 1872, p. 575.

1188. Norasuma javanica.

Norasuma javanica. Moore: P Z. S., Lond., 1872, p. 576, pl. 33, f. 6.
a. Java (type) (Wallace).

GENUS **THEOPHILA**. Moore: P. Z. S., Lond., 1867, p. 683.

1189. Theophila huttoni.

Bombyx huttoni. Westw.: Cat. Or. Ent., p. 26, pl. 12, f. 4 (1848).
———— Walker: vi. 1506 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 379 (1859).
———— Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 318, pl. 19, f. 4 (1864).
Theophila huttoni. Moore: Wardle's Wild Silks of India, p. 4 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 166. 1103 (1881).

a. E. Indies (type) (Hutton). b. India (5).

There are four additional so-called Indian species of this Genus, *religiosa* (Helfer), *affinis*, *bengalensis* and *sherwilli* (Hutton), very difficult to identify in their imago state, being very like each other, but they have been kept separate by authors because each species is said to produce its own peculiar kind of silk.

GENUS **HANISA**. Moore: P. Z. S., Lond., 1879, p. 406.

1190. Hanisa subnotata. Pl. VIII. f. 16.

Bombyx subnotata. Walker: Journ. Linn. Soc., Lond., iii. p. 188 (1859).
———— Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 324 (1864).
Hanisa subnotata. Moore: P. Z. S., Lond., 1879, p. 406.
———— Cotes and Swinh.: Cat. Moths of India, ii. 167. 1106 (1887).

a. Singapore (type) (Wallace).

GENUS **LAGANDA**. Walker: xxxii. 389 (1865).

1191. Laganda picaria. Pl. VII. f. 2.

Laganda picaria. Walker: xxxii. 389 (1865).

a. Mysol (type) (Wallace).

GENUS **BOMBYX**. Hübner: Verz. Schm., p. 190 (1816).

1192. Bombyx mori.

Phalæna-Bombyx mori. Linn. Syst. Nat., i. 11. 817. 33 (1767).
Bombyx mori. Fabr.: Sp. Ins., ii. 180. 57 (1781).
———— Hübn.: Verz. Schm., p. 191 (1816).
———— Walker: vi. 1505 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 374 (1859).
———— Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 303, pl. 19, f. 7, 8 (1864).
———— Moore: Wardle's Wild Silks of India, p. 3 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 166. 1098 (1887).

a. Without locality (8).

GENUS **OCINARA**. Walker: vii. 1768 (1856.)
Trilocha. Moore: Cat. Lep. E. I. C., ii. p. 382 (1859).
Ernolatia. Walker: Journ. Linn. Soc., Lond., vi. p. 131 (1862).

1193. Ocinara lida.

Ocinara lida. Moore: Cat. Lep. E. I. C., ii. p. 381 (1859).
Ernolatia signata. Walker: Journ. Linn. Soc., Lond., vi. p. 131 (1862).
——————— xxxii. 382 (1865).
Dasychira apicalis. Walker: Journ. Linn. Soc., Lond., vi. p. 130 (1862).
——————— xxxii. 358 (1864).
Ocinara moorei. Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 326 (1864).
——————— Moore: Wardle's Wild Silks of India, p. 4 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 168. 1111 (1887).
Bombyx plana. Walker: xxxii. 575 (1865).

Type. Java, in B. M.
Type (*signata*). Borneo, in B. M.
Type (*plana*). Hong Kong, in B. M.
a. Sarawak, Borneo (type, *apicalis* ♀) (Wallace). **b**. Sarawak (Wallace). **c**. Amoy, China.

1194. Ocinara signifera.

Dasychira signifera. Walker: Journ. Linn. Soc., Lond., vi. p. 130 (1862).
——————— xxxii. 358 (1864).
Ocinara lactea. Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 328, pl. 19, f. 6 (1864).
——————— Moore: P. Z. S., Lond., 1867, p. 683.
——————— Wardle's Wild Silks of India, p. 3 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 167. 1110 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 8. 200 (1891).

a. Sarawak, Borneo (type) (Wallace). **b**. Borneo. **c**. India.

1195. Ocinara attacoides.

Naprepa attacoides. Walker: Journ. Linn. Soc., Lond., vi. p. 171 (1862).
——————— xxxii. 488 (1865).

Type. Borneo, in B. M.
a. Sarawak, Borneo (Wallace).

1196. Ocinara albiceps. Pl. VII. f. 7.

Naprepa albiceps. Walker: Journ. Linn. Soc., Lond., vi. p. 172 (1862).
——————— xxxii. 489 (1865).

a. Sarawak, Borneo (type) (Wallace).

1197. Ocinara varians.

Naprepa varians. Walker: v. 1153 (1855).
Trilocha varians. Moore: Cat. Lep. E. I. C., ii. p. 382, pl. 11 *a*, f. 6 (1859).
——————— Hutton: Trans. Ent. Soc., Lond. (3), ii. p. 331, pl. 19, f. 1, 2 (1864).

Trilocha varians. Moore: Wardle's Wild Silks of India, p. 4 (1881).
——————— Lep. Ceylon, ii. p. 136, pl. 133, f. 1, 1 *a*, 1 *b* (1882).
——————— Swinhoe: P. Z. S., Lond., 1885, p. 302 and 1886, p. 440.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 165. 1093 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 8. 199 (1891).
Naprepa albicollis. Walker: Journ. Linn. Soc., Lond., vi. p. 171 (1862).
——————— —— xxxii. 488 (1865).
Trilocha albicollis. Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 408, pl. 15, f. 10, 10 *a* (larva).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 164. 1091 (1887).

Type. Ceylon, in B. M.
Type (*albicollis*). Borneo, in B. M.
a. Ceylon (Thwaites). b. Nilgiri Hills. c. Assam (Jenkins). d. India (8). e. Sarawak, Borneo (Wallace). f. China (2). g. Java (Horsfield).

Genus **THAUMATOPOEA**. Herr Schäff.: Lep. Exot., fig. 510 (1853).

1198. Thaumatopoea lewini.

Thaumatopoea lewini. Herr Schäff.: Lep. Exot., f. 510 (1853).
Pamea transiens. Walker: v. 1156 (1855).
Oreta sobria. Walker: v. 1168 (1855).
Naprepa pilosa. Walker: xxxii. 489 (1865).
Naprepa hirta. Walker: xxxii. 490 (1865).

Type (*sobria*). New Holland, in B. M.
Type (*pilosa*). Moreton Bay, in B. M.
Type (*hirta*). Moreton Bay, in B. M.
a. New South Wales (type, *transiens*). b. New South Wales (4). c. East Australia.

Family **LASIOCAMPIDÆ.**

Genus **COSMOTRICHE**. Hübner: Verz. Schm., p. 188 (1816).

1199. Cosmotriche exposita.

Bombyx exposita. Lewin: Prodr. Ent., 8, pl. 7 (1805).
——————— Boisd.: Voy. de l'Astrolabe, i. Lep. 223, 5 (1832)
Perna exposita. Walker: v. 1127 (1855).
Bombyx pusilla. Don: Ins. New Holl. Lep., pl. 35 (1805).
——————— Boisd.: Voy. de l'Astrolabe, i. Lep. 222, 4 (1832).
Eriogaster hebes. Walker: vi. 1474 (1855).
Pœcilocampa brevis. Walker: xxxii. 571 (1865).

Type (*hebes*). Without locality, in B. M.
Type (*brevis*). Moreton Bay, in B. M.
a. Australia.

GENUS **CLATHE.** Walker: v. 994 (1855).
Listoca. Walker: v. 1021 (1855).
Sorema. Walker: v. 1064 (1855).

1200. Clathe arida.

Clathe arida. Walker: v. 994 (1855).
Listoca lignaria. Walker: v. 1021 (1855).
Sorema nubila. Walker: v. 1065 (1855).
Type. Without locality, in B. M.
Type (*lignaria*). Sydney, in B. M.
Type (*nubila*). Sydney, in B. M.
a. Australia (2). b. Moreton Bay (2). c. New South Wales. d. East Australia.

1201. Clathe obscura.

Trichiura obscura. Walker: vi. 1481 (1855).
Type. Without locality, in B. M.
a. Australia.

GENUS **CHILENA.** Walker: v. 1070 (1855).

1202. Chilena similis.

Chilena similis. Walker: v. 1071 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 413 (1859).
——————— P. Z. S., Lond., 1867, p. 684.
——————— Lep. Ceylon, iii. p. 543, pl. 212, f. 5 (1887).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 197. 1334 (1887).
Type. North India, in B. M.
a. India (4). b. India (3) (Hearsay).

GENUS **LENODORA.** Moore: Lep. Ceylon, ii. p. 144 (1882).

1203. Lenodora vittata.

Lasiocampa vittata. Walker: vi. 1440 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 421 (1859).
Lenodora vittata. Swinhoe: P. Z. S., Lond., 1885, p. 305.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 211. 1444 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 273 (1891).
Miresa subcostalis. Walker: xxxii. 476 (1865).
Lenodora subcostalis. Moore: Lep. Ceylon, ii. p. 145, pl. 137, f. 3, *a*, *b* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 211. 1443 (1887).
Type. North India, in B. M.
Type (*subcostalis*). Ceylon, in B. M.
a. Bombay (2). b. India (2).

GENUS **TRICHIURA**. Stephens: Ill. Brit. Ent. Haust., ii. p. 42 (1829).

1204. Trichiura khasiana.

Trichiura khasiana. Moore: Descr. Ind. Lep. Atk., i. p. 82, pl. 3, f. 21 (1879).

Type. Khasia Hills, in coll. Stoudinger.

a. Assam (Jenkins).

GENUS **OPSIRHINA**. Walker: vi. 1418 (1855).

1205. Opsirhina fervens.

Opsirhina fervens. Walker: vi. 1419 (1855).

———— Meldola and Francis: Proc. Ent. Soc., Lond., 1879, p. 15.

Type. Van Diemen's Land, in B. M.

a. New South Wales. b. Van Diemen's Land (2). c. Queensland. d. Australia.

1206. Opsirhina obscura.

Lebeda obscura. Walker: vi. 1464 (1855).

Type. Adelaide, in B. M.

a. Queensland (2). b. Sydney. c. Moreton Bay (2).

1207. Opsirhina australasiæ.

Bombyx australasiæ. Fabr.: Ent. Syst., p. 422 (1775).
Bombyx nasuta. Lewin: Prodr. Ent., 6, pl. 5 (1805).
Lasiocampa nasuta. Boisd.: Voy. de l'Astrolabe, i. Lep. p. 228 (1832).
Opsirhina nasuta. Walker: vi. 1420 (1855).

a. Van Diemen's Land (5). b. New South Wales (4). c. New Holland (5). d. Moreton Bay (2). e. Queensland.

1208. Opsirhina marginata.

Entometa marginata. Walker: iv. 973 (1855).

Type. Van Diemen's Land, in B. M.

a. Van Diemen's Land.

1209. Opsirhina parallelina.

Opsirhina parallelina. Walker: xxxii. 558 (1865).

a. Batchian (type) (Wallace).

1210. Opsirhina sobria.

Opsirhina sobria. Walker: xxxii. 556 (1865).

Type. Moreton Bay, in B. M.

a. Moreton Bay. b. New South Wales. c. Van Diemen's Land.

1211. Opsirhina guttularis.

Amydona guttularis. Walker: vi. 1413 (1855).

Type ♀. South Africa (?), in B. M.

a. New South Wales (♂). b. Queensland (♀).

The locality of the type specimen must be wrong. This is a common Australian insect.

GENUS **ODONESTIS.** Steph.: Ill. Brit. Ent. Haust., ii. p. 51 (1829).

1212. Odonestis albigutta.

Opsirhina albigutta. Walker: vi. 1419 (1855).

Type. Van Diemen's Land, in B. M.

a. Van Diemen's Land (5). b. New South Wales (3).

1213. Odonestis pyriformis.

Odonestis pyriformis. Moore: P. Z. S., Lond., 1879, p. 408, pl. 34, f. 7.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 218. 1496 (1887).

Type. Mussooree, in coll. Moore.

a. India.

1214. Odonestis bheroba.

Odonestis bheroba. Moore: Cat. Lep. E. I. C., ii. p. 424, pl. 12 *a*, f. 5 (1859).
——————— Walker: xxxii. 553 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 217. 1492 (1887).

Type. Darjiling, in B. M.

a. Ceylon (Thwaites). b. Philippines. c. Singapore. d. Amoy, China.

1215. Odonestis læta.

Amydona læta. Walker: vi. 1416 (1855).
Trabala læta. Walker: vii. 1785 (1856).
——————— Moore: Cat. Lep. E. I. C., ii. p. 424, pl. 12 *a*, f. 7, 7 *a* (1859).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 212. 1453 (1887).
Lasiocampa decisa. Walker: vi. 1441 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 217. 1489 (1887).

Type. Sylhet, in B. M.

a. India (type *decisa*). b. India. c. Assam (Jenkins).

1216. Odonestis inobtrusa. Pl. VI. f. 15.

Lasiocampa inobtrusa. Walker: Trans. Ent. Soc., Lond. (3), iii. p. 85 (1862).
——————— xxxii. 560 (1865).
Odonestis inobtrusa. Cotes and Swinh.: Cat. Moths of India, ii. 217. 1494 (1887).

a. India (type ♂). b. India ♀.

1217. Odonestis intemerata.

Opsirhina intemerata. Walker: xxxii. 557 (1865).

Type. Moreton Bay, in B. M.

a. Queensland.

1218. Odonestis directa: n. sp. Pl. VI. f. 4.

Brown, reddish brown in parts, antennæ reddish brown, pectus, head, and thorax with some reddish brown hairs. Fore-wings with two prominent pure white spots at end of cell one above the other, the upper the smaller, a brown outwardly curved line outwardly edged with whitish from the apex to the first median vein in its centre, beyond this line the wing is paler in colour, and between the line and the outer margin is an indistinct sinuous reddish brown band. Hind-wings, abdomen, and underside of a uniform pale brownish grey without markings except for an indication below on the fore-wings of the apical line, abdominal tuft pale, marginal line of both wings reddish brown, cilia pale and interlined.

Expanse of wings $1\frac{8}{10}$ inches.

a. Japan (type).

Allied to *O. albomaculata*, Bremer; Bull. de l'Acad. Pét., 1861, p. 42, pl. 4, f. 6 ♂.

GENUS **ESTIGENA**. Moore: Cat. Lep., E. I. C., ii. p. 426 (1859).

1219. Estigena pardale.

Megasoma pardale. Walker: vi. 1453 (1855).
Estigena pardale. Moore: Cat. Lep. E. I. C., ii. p. 426, pl. 13 *a*, f. 1 ♂, 1 *a* ♀ (1859).
———— Snellen and Piepers: Tijd. voor Ent., 1879, p. 124.
Estigena nandina. Moore: Cat. Lep. E. I. C., ii. p. 427 (1859).
———— Walker: xxxii. 568 (1865).
———— Moore: Lep. Ceylon, ii. p. 149, pl. 142, f. 1, 1 *a* (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 218. 1499 (1887).
———— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 197.
Gastropacha abstracta. Walker: xxxii. 551 (1865).
Lebeda scriptiplaga. Walker: xxxii. 569 (1865).

Type. Java, in B. M.
Type (*nandina*). North India, in B. M.
Type (*abstracta*). Ceylon, in B. M.
Type (*scriptiplaga*). Ceylon, in coll. Layard.
a. Java (3) (Horsfield). b. Bombay (2). c. Ceylon (Thwaites).
d. India (4). e. Poona.

GENUS **METANASTRIA**. Hübner: Verz. Schm., p. 186 (1816).

1220. Metanastria hyrtaca.

Phalæna hyrtaca. Cramer: Pap. Exot., iii. 97, pl. 249, f. E (1782).
Bombyx hyrtaca. Olivier: Enc. Méth., v. 53. 103 (1789).

Metanastria hyrtaca. Hübner: Verz. Schm., 186. 1916 (1816).
Lasiocampa (?) *hyrtaca.* Walker: vi. 1436 (1855).
Bombyx laricis. Hübner: Beitr., ii. 2, O. 3 M (1789).
Bombyx buddha ♂. Lefebvre: Zool. Journ., iii. p. 209 (1827).
Lasiocampa buddha. Walker: vi. 1444 (1855).
Lebeda buddha. Moore: Cat. Lep. E. I. C., ii. p. 423, pl. 12 *a*, f. 2, 2 *a* (1859).
———— Walker: xxxii. 568 (1865).
———— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 407, pl. 15, f. 3, *a*, *b* (larva).
———— Swinhoe: P. Z. S., Lond., 1886, p. 440.
———— Cotes and Swinh.: Cat. Moths of India, ii. 213. 1458 (1887).
Bombyx brahma ♀. Lefebvre: Zool. Journ., iii. p. 208 (1827).
Lasiocampa brahma. Walker: vi. 1443 (1855).
Lebeda plagiata. Walker: vi. 1464 (1855).

Type (*plagiata*). Ceylon, in B. M.
a. India (7). b. Central India (5) (Hearsay). c. Ceylon.

1221. Metanastria aconyta.

Phalæna aconyta. Cramer: Pap. Exot., ii. pl. 131, f. A (1777).
Metanastria aconyta. Hübner: Verz. Schm., 186, 1917 (1816).
Dirphia (?) *aconyta.* Walker: vi. 1370 (1855).
Lasiocampa aconyta. Moore: Cat. Lep. E. I. C., ii. p. 421 (1859).
———— ———— Walker: xxxii. 560 (1865).
Lebeda aconyta. Cotes and Swinh.: Cat. Moths of India, ii. 213. 1457 (1887).
Bombyx quadricincta. Fabr.: Mant. Ins., ii. 111. 44 (1787).
———— Ent. Syst., iii. (1) 422. 50 (1793).
Lasiocampa trifascia. Walker: vi. 1439 (1855).
Lasiocampa substrigosa. Walker: vi. 1441 (1855).

Type (*trifascia*). North Bengal, in B. M.
Type (*substrigosa*). North India, in B. M.
a. India (4) (Hearsay).

1222. Metanastria repanda.

Lebeda repanda. Walker: vi. 1460 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 2, pl. 101, f. 1, 2 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 215. 1470 (1887).

Type. Sylhet, in B. M.
a. India (2).

1223. Metanastria metaspila.

Megasoma metaspila. Walker: xxxii. 567 (1865).

a. Makessar, Celebes (♂ ♀ types) (Wallace).

1224. Metanastria bimacula.

Megasoma bimacula. Walker: Journ. Linn. Soc., Lond., vi. p. 176 (1862).
———— ———— xxxii. 565 (1865).

a. Sarawak, Borneo (type ♂). b. Borneo ♀. c. Singapore (2 ♂) (Horsley).

The males are very similar to that sex of *M. latipennis*, but are redder and have a conspicuous yellow sub-basal spot just below the costa which looks like a stain; they much resemble *M. lidderdalii* (Butler).

1225. Metanastria plagifera.

Lebeda plagifera. Walker: vi. 1459 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 73, pl. 99, f. 5 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 214. 1468 (1887).

Type. Nepal, in B. M.
a. India (3).

1226. Metanastria placida.

Lebeda placida. Moore: Descr. Ind. Lep. Atk., i. p. 80 (1879).
———— Cotes and Swinh.: Cat. Moths of India, ii. 214. 1467 (1887).

Type. Darjiling, in coll. Moore.
a. India (2).

1227. Metanastria latipennis.

Lebeda latipennis. Walker: vi. 1457 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 422, pl. 22, f. 2, 2 *a* (larva) (1859).
———— P. Z. S., Lond., 1867, p. 685.
Odonestis latipennis. Butler: Ill. Typ. Lep. Het., B. M., v. p. 72, pl. 99, f. 1, 2 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 218. 1495 (1887).

Type. North India, in B. M.
a. Assam (2) (Jenkins). b. India.

1228. Metanastria ampla.

Odonestis ampla. Walker: vi. 1412 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 72, pl. 99, f. 3, 4 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 217. 1491. (1887).

Type. Sylhet, in B. M.
a. Assam (Jenkins). b. Sylhet. c. India (5).

1229. Metanastria obliquifascia: n. sp.

♂ Rich dark chestnut brown suffused with pink, some bright chestnut red hairs on the palpi and in front of the eyes, also on each side of the thorax in front. Fore-wings with a nearly straight brown thin band from the apex to the hinder margin, one-third from the

base, the inner side of the band suffused with bright chestnut red, and broad transverse diffuse band of the same colour before the middle, a sinuous row of white spots in the disc, almost sub-marginal, and between them and the margin the wing is suffused with chestnut red.

Hind-wings slightly paler than the fore-wings, uniform in colour and without markings, cilia of both wings bright brown pink tipped with pale pink.

Underside of the colour of the hind-wings above, quite uniform with pale veins.

Expanse of wings $1\frac{9}{10}$ inches.

a. Darjiling (type).

1230. Metanastria lucifuga : n. sp. Pl. VI. f. 5.

♂ Reddish brown, palpi edged with blackish, thorax and fore-wings of a uniform dark reddish brown, front of head paler and yellowish. Fore-wings with a blackish brown band which commences in the centre of the wing on the submedian vein and curves gradually upwards and outwards towards apex which is suffused with blackish brown. Abdomen and hind-wings pale reddish grey. Underside of a uniform reddish grey without markings.

Expanse of wings $1\frac{9}{10}$ inches.

a. Singapore (type).

GENUS **EUTRICHA**. Stephens: Ill. Brit. Ent. Haust., ii. p. 50 (1829).

1231. Eutricha hebes.

Lebeda hebes. Walker: vi. 1462 (1855).

Type. North China, in B. M.

a. Japan. b. Amoy, China.

1232. Eutricha spectabilis.

Odonestis spectabilis. Butler: Ill. Typ. Lep. Het., B. M., ii. p. 19, pl. 27, f. 3 (1878).

Type. Yokohama, in B. M.

a. Japan (2).

1233. Eutricha superans.

Odonestis superans. Butler: Ill. Typ. Lep. Het., B. M., ii. p. 19, pl. 27, f. 4 (1878).

Type. Yokohama, in B. M.

a. Japan.

GENUS **TRABALA**. Walker: vii. 1785 (1856).

1234. Trabala vishnu.

Gastropacha vishnu. Lefebvre: Zool. Journ., iii. p. 207 (1827).
——————— Walker: vi. 1394 (1855).

Gastropacha vishnu. Piepers and Snellen: Tijd. voor Ent., 1877, p. 21, and 1879, p. 124.
Trabala vishnu. Moore: Cat. Lep. E. I. C., ii. p. 425, pl. 22, f. 3, *a*, *b* (larva) (1859).
——— Walker: xxxii. 554 (1865).
——— Moore: Lep. Ceylon, ii. p. 146, pl. 138, f. 1, *a*, *b*, 2, *a* (1882).
——— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 404 (larva).
——— Swinhoe: P. Z. S., Lond., 1886, p. 440.
——— Cotes and Swinh.: Cat. Moths of India, ii. 212. 1456 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 197.
——— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 274 (1891).
Amydona basalis. Walker: vi. 1415 (1855).
Trabala basalis. Walker: vii. 1785 (1856).
Amydona prasina. Walker: vi. 1417 (1855).
Trabala prasina. Walker: vii. 1785 (1856).
Amydona pallida. Walker: vi. 1417 (1855).
Trabala pallida. Walker: vii. 1785 (1856).

Type (*basalis*). North India, in B. M.
Type (*prasina*). North India, in B. M.
Type (*pallida*). Java, in B. M.
a. India (3). b. Burma. c. Cambodia, Siam (Mouhot). d. Singapore. e. Sarawak, Borneo. f. India (5). g. India (5) (var. *pallida*). h. Sylhet (var. *pallida*).

1235. Trabala irrorata.

Trabala irrorata. Moore: Trans. Ent. Soc., Lond., 1884, p. 375.
——— Journ.: As. Soc. Beng., lviii. (2) ♀ (1884).
——— Trans. Linn. Soc., Lond., xxi. p. 55 (1886).
——— Cotes and Swinh.: Cat. Moths of India, ii. 212. 1452 (1887).
——— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 197.

Type. Java, in B. M.
a. Java (♂ ♀) (Horsfield).
This appears to be a distinct form.

Genus **LEBEDA**. Walker: vi. 1456 (1855).

1236. Lebeda nobilis.

Lebeda nobilis. Walker: vi. 1456 (1855).
——— Moore: Cat. Lep. E. I. C., ii. p. 422 (1859).
——— Butler: Ill. Typ. Lep. Het., B. M., v. p. 74, pl. 100, f. 5, 6 (1881).
——— Cotes and Swinh.: Cat. Moths of India, ii. 214. 1465 (1887).

Type. Nepal, in B. M.
a. India. b. Sylhet.

GENUS **ALOMPRA**. Moore: P. Z. S., Lond., 1872, p. 579.

1237. Alompra ferruginea.

Alompra ferruginea. Moore: P. Z. S., Lond., 1872, p. 580, pl. 33, f. 8.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 197. 1337 (1887).

Type ♂. Darjiling, in coll. Moore.
a. India (type ♀). b. Assam.

GENUS **TARAGAMA**. Moore: Cat. Lep., E. I. C., ii. p. 427 (1859).

1238. Taragama siva.

Bombyx siva. Lefebvre: Zool. Journ., iii. p. 210 (1827).
Lasiocampa siva. Walker: vi. 1443 (1855).
Bombyx ganesa. Lefebvre: Zool. Journ., iii. p. 211 (1827).
Lasiocampa ganesa. Walker: vi. 1444 (1855).
Taragama ganesa. Moore: Cat. Lep. E. I. C., ii. p. 427, pl. 22, f. 4, 4*a* (larva) (1859).
——————— Walker: xxxii. 564 (1865).
——————— Semper: Verz. Zool. Bot. Ges. Wien, xvii. p. 701 (1867).
——————— Swinhoe: P. Z. S., Lond., 1884, p. 515; 1885, p. 305, and 1886, p. 440.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 218. 1500 (1887).
Megasoma venustum. Walker: vi. 1449 (1855).
——————— Forsayeth: Trans. Ent. Soc., Lond., 1884, p. 406 (larva).
Megasoma pallidum. Walker: vi. 1450 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 219. 1504 (1887).
Megasoma albicans. Walker: vi. 1450 (1855).

Type (*venustum*). Punjab, in B. M.
Type (*pallidum*). N. India, in B. M.
Type (*albicans*). Punjab, in B. M.
a. India (5) (Hearsay). b. India (6). c. Bombay (2). d. Java.

1239. Taragama dorsalis.

Megasoma dorsalis. Walker: xxxv. 1947 (1866).
Taragama igniflua. Moore: Lep. Ceylon, ii. p. 147, pl. 142, f. 2, 2*a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 219. 1502 (1887).
Taragama castanoptera. Moore: P. Z S., Lond., 1888, p. 404.
——————— Butler: Ill. Typ. Lep. Het. B. M., vii. p. 38, pl. 124, f. 1 (1889).

Type. Borneo, in B. M.
Type (*igniflua*). Ceylon, in coll. Moore.
Type (*castanoptera*). Kangra Valley, in B. M.
a. India (2). b. Philippines.

GENUS **BHIMA**. Moore: P. Z. S., Lond., 1888, p. 404.

1240. Bhima undulosa.

Pœcilocampa undulosa. Walker: vi. 1477 (1855).
" " " Moore: P. Z. S., Lond., 1867, p. 685.
" " " Cotes and Swinh.: Cat. Moths of India, ii. 220. 1509 (1887).
Bhima undulosa. Moore: P. Z. S., Lond., 1888, p. 404.

Type. Nepal, in B. M.
a. India (2).

GENUS **PŒCILOCAMPA**. Steph.: Ill. Brit. Ent. Haust., ii. p. 43 (1829).

1241. Pœcilocampa simplex, n. sp.

♀ Of a uniform reddish fawn colour, antennæ with the pectinations blackish. Fore-wings with two transverse thin pale bands, before the middle and beyond the middle, the second more oblique than the first and twice as far from the first on the costa than it is on the hinder margin, and curving more outwardly. Hind-wings with indications of a similar middle band which is in continuation of the outer band of the fore-wings and the space of both wings outside these bands is uniformly paler, underside with the outer band of fore-wings and middle band of hind-wings broader than it is above, the band of hind-wings quite distinct and the basal portion of both wings distinctly darker, the veins above and below are prominent and the marginal line dark.

Expanse of wings $3\frac{2}{10}$ inches.

a. Australia (type).

GENUS **PORELA**. Walker: iii. 772 (1855).

1242. Porela vetusta.

Porela vetusta. Walker: iii. 772 (1855).

Type. Sydney, in B. M.
a. South Australia (Daniell).

GENUS **SITINA**. Walker: iv. 854 (1855).

1243. Sitina vitulina.

Bombyx vitulina. Don: Epit. Ins. New Holl., pl. 35 (1805).
Liparis vitulina. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 217 (1832).
Sitina vitulina. Walker: iv. 854 (1855).

Type. Sydney, in B. M.
a. New South Wales (3). b. Moreton Bay (2). c. Queensland. d. Australia (2) and Cocoon.

1244. Sitina trimacula.

Mecytha trimacula. Walker: v. 1122 (1855).

Type. Van Diemen's Land, in B. M.

a. New South Wales (2). b. Van Diemen's Land.

1245. Sitina albicans, n. sp. Pl. VI. f. 10.

♀ White; palpi brown, antennæ grey, thorax with a broad brown band down the centre, abdomen rufous brown with segmental bands of white hairs, and white anal tuft, wings smeared with pale reddish brown in parts, fore-wings on the hinder margin, costa beyond the middle, and along the outer margin, the transverse white bands indicated by brownish lunules on each side, the inner lunules the darkest, the first band is just before the middle and the second just beyond the middle, a white lunule at end of cell, and a submarginal band of grey lunules edged with white on each side, outer portion of wing grey with white veins. Hind-wings suffused with pale reddish brown, with two slightly darker transverse discal bands. Underside, pale reddish grey, a transverse central whitish band across both wings, a submarginal line of white lunules on fore-wings and broad marginal whitish band on hind-wings.

Expanse of wings $1\frac{6}{10}$ inches.

a. W. Australia (type).

Genus **CREXA.** Walker: xxxv. 1926 (1866).

1246. Crexa punctigera.

Entometa punctigera. Walker: iv. 974 (1855).

Crexa anthraxoides. Walker: xxxv. 1927 (1866).

Type. New Holland, in B. M.

Type (*anthraxoides*). Tasmania, in B. M.

a. Van Diemen's Land (2). b. Queensland. c. Australia.
d. West Australia. e. North Australia.

Genus **PINARA.** Walker: iii. 761 (1855).

1247. Pinara cana.

Pinara cana. Walker: iii. 761 (1855).

Type ♀. Van Diemen's Land, in B. M.

a. Van Diemen's Land (5). b. New Holland.

1248. Pinara obliqua.

Entometa obliqua. Walker: iv. 973 (1855).

Type. New Holland, in B. M.

a. Australia (7). b. Queensland (2).

1249. Pinara divisa.

Entometa divisa. Walker: iv. 973 (1855).

Type. New Holland, in B. M.

a. Australia. b. South Australia. c. Queensland. d. New South Wales.

1250. Pinara metaphæa.

Opsirhina metaphæa. Walker: xxxii. 556 (1865).

Type ♀. Moreton Bay, in B. M.

a. Van Diemen's Land (♂). b. Moreton Bay (♀). c. New Holland (♀).

Genus **TICERA.** Gen. Nov.

Allied to *Pinara* and *Taragama.*

♂ Palpi obliquely porrect, thickly fringed with hair and met by the frontal tuft; antennæ heavily bipectinated on basal half, serrate towards apex. Fore-wing long and narrow, the outer margin very oblique, vein 3 from before end of cell, 4 and 5 from end of cell; 6, 7, and 8 stalked; 9 and 10 also stalked. Hind-wing with the apex acute, the outer margin excised, the anal angle produced and acute; vein 3 from before end of cell, 4 and 5 stalked, 8 bent down and touching 7, which is emitted before the end of cell; one veinlet to the costa from near the base of 8.

Type (*T. castanea*). Mihi.

Genus Ticera.

1251. Ticera castanea, n. sp.

♂ Of a uniform dark bright chestnut red colour, palpi and frons greyish yellow, two similar coloured bands across fore-part of thorax and one in the centre, from which a similar band runs down each side of the thorax. Fore-wings with two greyish yellow, indistinct sinuous transverse bands best indicated on costa and hinder margin, the first before the middle, the second just beyond, both apparently very oblique, the first marked on the costa about the centre and the second near the apex. Underside, wings duller coloured, body grayish yellow.

Expanse of wings $1\frac{5}{10}$—$1\frac{7}{10}$ inches.

a. Philippine Islands (type). b. Philippine Islands.

Genus **GANGARIDES.** Moore: P. Z. S., Lond., 1865, p. 821.

1252. Gangarides rosea.

Apona rosea. Walker: xxxii. 513 (1865).
Gangarides rosea. Moore: P. Z. S., Lond., 1865, p. 821.

Type. India, in coll. Stoudinger.
a. India (4).

1253. Gangarides vardena, n. sp. Pl. VII. f. 3.

♂ Pinkish grey, palpi brown above, whitish beneath and at the tips, antennæ with brown shafts, with pinkish grey plumes, thorax and fore-wings pinkish grey, hind-wings and abdomen pale pinkish. Fore-wings with a black dot at end of cell, two interior transverse bands, first before the middle, composed of a duplex lunular line and the other beyond the middle of three similar lines, a straight discal brown line and brown irregular marginal and apical border limited by a sinuous lunular line, this border and all the bands are formed by the more or less greater density of the brown irrorations, with which the wing is covered, cilia brown. Hind-wing with a brown marginal thin band, cilia white. Underside of a uniform whitish slightly pinkish tinge, a brown dot at end of cell on each wing, a discal band of brown dots which on the hind-wings is accompanied by some brownish patches.

Expanse of wings $3\frac{1}{2}$ inches.

a. Borneo (type).

Apart from its distinct colouration the inner duplex lunular band at once distinguishes it from both the other known species of this Genus.

Genus **SUANA.** Walker: vi. 1502 (1855).

1254. Suana concolor.

Lebeda concolor. Walker: vi. 1463 (1855).
Suana concolor. Cotes and Swinh.: Cat. Moths of India, ii. 220. 1508 (1887).
Lebeda bimaculata. Walker: vi. 1463 (1855).
Suana bimaculata. Moore: Cat. Lep. E. I. C., ii. p. 428, pl. 13 *a*, f. 2, 2 *a* and pl. 23, f. 1, *a*, *b* (larva) (1859).
——————— Walker: xxxii. 570 (1865).
——————— Moore: Lep. Ceylon, ii. p. 152, pl. 140 (not pl. 104), f. 1, *a*, *b* (1882).
——————— Butler: Ill. Typ. Lep. Het. B. M., vi. p. 2, pl. 101, f. 3, 4 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 219. 1506 (1887).
——————— Hampson: Ill. Typ. Lep. Het. B. M., viii. 10. 276 (1891).
Suana ampla. Walker: vi. 1502 (1855).

Suana ampla. Cotes and Swinh.: Cat. Moths of India, ii. 219. 1506 (1887).

Type. Java, in B. M.
Type (*bimaculata*). Sylhet, in B. M.
Type (*ampla*). Sylhet, in B. M.
a. Java (6) (Horsfield). b. India (3). c. Assam (Jenkins). d. Sylhet (2). e. Bombay.

Genus **DIAPHONE**. Hübner: Verz. Schm., p. 188 (1816).

1255. Diaphone nana.

Omphaliodes nana. Felder: Reise Nov. Lep., pl. 99, f. 14 (1868).

a. New Holland.

Family **EUPTEROTIDÆ.**

Genus **GANISA**. Walker: v. 1190 (1855).

1256. Ganisa postica.

Ganisa postica. Walker: v. 1190 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 366, pl. 10 *a*, f. 5 (1859).
———— Lep. Ceylon, ii. p. 137, pl. 133, f. 3 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 199. 1347 (1887).

Type. Ceylon, in B. M.
a. Nilgiri Hills (4). b. Bombay.

1257. Ganisa plana.

Ganisa plana. Walker: v. 1191 (1855).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 66, pl. 96, f. 4, 5 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 199. 1346 (1887).

Type. Sylhet, in B. M.
a. Sylhet. b. India (2).

1258. Ganisa pandya.

Tagora pandya. Moore: P. Z. S., Lond., 1865, p. 807.
———— Walker: xxxv. 1943 (1866).
———— Cotes and Swinh.: Cat. Moths of India, ii. 200. 1358 (1887).
Ganisa pallida. Butler: Ill. Typ. Lep. Het., B. M., v. p. 65, pl. 96, f. 3 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 198. 1345 (1887).

Type. N. E. Bengal, in coll. Moore.
Type (*pallida*). Bhotan, in B. M.
a. Assam (Jenkins).

1259. Ganisa glaucescens.

Tagora glaucescens. Walker: v. 1188 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 365 (1859).
———— Cotes and Swinh.: Cat. Moths of India, ii. 200. 1356 (1887).
Ganisa glaucescens. Butler: Ill. Typ. Lep. Het., B. M., v. p. 65, pl. 96, f. 1, 2 (1881).

Type. Himalaya Mountains, in B. M.
a. India.

GENUS **APHA.** Walker: v. 1180 (1855).

1260. Apha floralis.

Apha floralis. Butler: Ill. Typ. Lep. Het., B. M., v. p. 64, pl. 94, f. 5, 6 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 198. 1342 (1887).

Type. Darjiling, in B. M.
a. India.

GENUS **SANGATISSA.** Moore: Lep. Ceylon, ii. p. 143 (1882).

1261. Sangatissa subcurvifera.

Dreata subcurvifera. Walker: xxxii. 375 (1865).
Sangatissa subcurvifera. Moore: Lep. Ceylon, ii. p. 144, pl. 134, f. 6 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 209. 1424 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 268 (1891).
Dreata citrinula. Walker: xxxii. 376 (1865).
Sangatissa citrinula. Swinhoe: P. Z. S., Lond., 1885, p. 304.
———— Cotes and Swinh.: Cat. Moths of India, ii. 208. 1423 (1887).
Dreata triseriata. Butler: P. Z. S., Lond., 1875, p. 393.
Sangatissa triseriata. Cotes and Swinh.: Cat. Moths of India, ii. 209. 1425 (1887).
Sangatissa albipars. Moore: Trans. Ent. Soc., Lond., 1884, p. 372.
———— Cotes and Swinh.: Cat. Moths of India, ii. 208 1422 (1887).

Type. Ceylon, in B. M.
Type (*citrinula*). Without locality, in coll. Norris.
Type (*triseriata*). Pulni Hills, S. India, in B. M.
Type (*albipars*). Bombay, in coll. Moore).
a. India (4). b. Nilgiri Hills (3). c. Bombay. d. Burma.

GENUS **NISAGA.** Walker: iv. 885 (1855).

1262. Nisaga simplex.

Nisaga simplex. Walker: iv. 885 (1855).
———— Swinhoe: P. Z. S., Lond., 1885, p. 305.

Nisaga simplex. Cotes and Swinh.: Cat. Moths of India, ii. 210. 1438 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 271 (1891).
Nisaga modesta. Moore: Trans. Ent. Soc., Lond., 1884, p. 373.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 305.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 210. 1437 (1887).

Type. Sylhet, in B. M.
Type (*modesta*). N. India, in B. M.
a. India. b. Bombay.

Genus **MESSATA.** Walker: v. 1107 (1855).

1263. Messata plumipes.

Dreata plumipes. Walker: iv. 907 (1855).
Messata plumipes. Cotes and Swinh.: Cat. Moths of India, ii. 209. 1431 (1887).
Messata rubiginosa. Walker: v. 1108 (1855).
——————— Moore: Lep. Ceylon, ii. p. 138, pl. 133, f. 5, 5*a* (1882).
Messata quadrifasciata. Moore: P. Z. S., Lond., 1879, p. 409.
——————— Lep. Ceylon, ii. p. 139, pl. 134, f. 3 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 210. 1432 (1887).
Messata æenescens. Moore: P. Z. S., Lond., 1879, p. 409.
——————— Lep. Ceylon, ii. p. 139, pl. 134, f. 1 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 209. 1426 (1887).
Messata similis. Moore: Lep. Ceylon, ii. p. 139, pl. 133, f. 4 (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 210. 1433 (1887).

Type. Ceylon, in B. M.
Type (*rubiginosa*). Ceylon, in B. M.
Type (*quadrifasciata*). Colombo, Ceylon, in Coll. Moore.
Type (*æenescens*). Ceylon, in Dublin Mus.
Type (*similis*). Ceylon, in coll. Moore.
a. Ceylon (5). b. Manilla.

1264. Messata fraterna.

Messata fraterna ♀. Moore: P. Z. S., Lond., 1879, p. 409, pl. 34, f. 6.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 209. 1429 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 269 (1891).
Messata castanoptera ♂. Moore: Trans. Ent. Soc., Lond., 1884, p. 372.
——————— Swinhoe: P. Z. S., Lond., 1885, p. 304.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 209. 1427 (1887).

Type. Bombay, in coll. Moore.
Type (*castanoptera*). Nilgiri Hills, in coll. Moore.
a. India (2). b. Bombay.

GENUS **COTANA**. Walker: xxxii. 548 (1865).

1265. Cotana rubrescens.

Cotana rubrescens. Walker: xxxii. 549 (1865).
a. New Guinea (type) (Wallace).

1266. Cotana vidua.

Cotana vidua. Walker: xxxii. 549 (1865).
a. New Guinea (type) (Wallace). b. Dorey (Wallace).

GENUS **CHALEPTERYX**. G. R. Gray: Trans. Ent. Soc., Lond., i. p. 122 (1834).

1267. Chalepteryx collesi.

Chalepteryx collesi. G. R. Gray: Trans. Ent. Soc., Lond., i. p. 122 (1834).
——————— Walker: iv. 914 (1855).
Saturnea laplacei. Feisthamel: Voy. de la Fav. v. Suppl., p. 26, pl. 8, 9 (1839).
a. New South Wales (2). b. Sydney (3). c. Australia (2). d. New Holland (4).

GENUS **SPALYRIA**. Moore: Trans. Ent. Soc., Lond., 1884, p. 370.

1268. Spalyria flavicollis.

Bombyx flavicollis. Guér.: Voy. Deless. Hist. Nat., p. 94, pl. 27, f. 1 (1843).
Lasiocampa flavicollis. Walker: vi. 1442 (1855).
Spalyria flavicollis. Cotes and Swinh.: Cat. Moths of India, ii. 207. 1415 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 265 (1891).
Bombyx adolphei. Guér.: Voy. Deless. Hist. Nat., p. 96, pl. 27, f. 3 (1843).
Lasiocampa adolphei. Walker: vi. 1442 (1855).
Spalyria adolphei. Cotes and Swinh.: Cat. Moths of India, ii. 207. 1413 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 263, pl. 142, f. 2 (1891).
a. India. b. Nilgiri Hills (2). c. Burma.

1269. Spalyria testacea.

Dreata testacea. Walker: iv. 906 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 364 (1859).
Eupterote testacea. Butler: Ill. Typ. Lep. Het., B. M., v. p. 67, pl. 97, f. 1 (1881).

Spalyria testacea. Butler: Ann. Mag. N. H. (5), xvi. p. 346 (1885).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 207. 1416 (1887).

Type. Sylhet, in B. M.
a. Sylhet (2). b. India.

GENUS **DREATA**. Walker: iv. 902 (1855).
Pachyjana. Butler: Ill. Typ. Lep. Het., B. M. v., p. 69 (1881).

1270. Dreata undans.

Dreata undans. Walker: iv. 905 (1855).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 253 (1891).
Pachyjana undans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 69, pl. 97, f. 6 (1881).
Eupterote undans. Swinhoe: P. Z. S., Lond., 1885, p. 304.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 206. 1409 (1887).

Type. Himalaya Mountains, in B. M.
a. India. b. Poona. c. Koorg.

GENUS **SARMALIA**. Walker: xxxv. 1945 (1866).

1271. Sarmalia radiata.

Sarmalia radiata. Walker: xxxv. 1945 (1866).

Type. Philippine Islands, in B. M.
a. Philippine Islands (2).

1272. Sarmalia alba. n. sp.

♂ Pure white, antennæ blackish brown, frons, head and fore part of thorax pale ochreous yellow, abdomen with two pale brown marks near the apex, a prominent, transverse, discal band across fore-wings slightly curving outwards; this band is continued across the hind-wings, where it is nearly medial and is much curved inwardly on to the costa. Underside, wings as above, except that the band on the hind-wings does not curve inwardly on to the costa, but is in direct continuation of the band on fore-wings; body pale ochreous yellow, tarsi brown above.

Expanse of wings 4 inches.
a. Philippine Islands (type).

GENUS **EUPTEROTE**. Hübner: Verz. Schm., p. 187 (1816).
Brachytera. Felder: Reise Nov. Lep., pl. 95, f. 1 (1868).
Horanpella. Moore: Lep. Ceylon, ii. p. 143 (1882).

1273. Eupterote mutans.

Dreata mutans. Walker: iv. 904 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 364 (1859).

Eupterote mutans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 67, pl. 96, f. 8 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 205. 1396 (1887).

Type. North India, in B. M.
a. India (4).

1274. Eupterote undata.

Bombyx undatus. Blanch.: Jacq. Voy. Inde Zool. Ins., p. 23, pl. 1, f. 8 (1844).
Dreata undata. Moore: Cat. Lep. E. I. C., ii. p. 363 (1859).
———— Walker: xxxii. 373 (1865).
Eupterote undata. Swinhoe: P. Z. S., Lond., 1885, p. 303.
———— Cotes and Swinh.: Cat. Moths of India, ii. 207. 1410 (1887).
Dreata undifera. Walker: iv. 904 (1855).

Type (*undifera*). North India, in B. M.
a. Poona (3).

1275. Eupterote alterata.

Eupterote alterata. Moore: Trans. Ent. Soc., Lond., 1884, p. 366.
———— Cotes and Swinh.: Cat. Moths of India, ii. 202. 1369 (1887).

Type. Darjiling, in coll. Moore.
a. North India (2) (Drinkwater).

1276. Eupterote amæna.

Tagora amæna. Walker: v. 1189 ♀ (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 366, pl. 10 *a*, f. 3 ♂, and pl. 18, f. 1, 1 *a* (larva) (1859).

Type. Java, in B. M.
a. Java (♂ ♀) (Horsfield). b. Singapore (2).

1277. Eupterote discordans.

Eupterote discordans. Butler: Ill. Typ. Lep. Het., B. M., v. p. 66, pl. 96, f. 6, 7 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 203. 1383 (1887).

Type. Calcutta, in B. M.
a. India (2).

1278. Eupterote dissimilis.

Eupterote dissimilis. Moore: Trans. Ent. Soc., Lond, 1884, p. 368.
———— Cotes and Swinh.: Cat. Moths of India, ii. 204. 1384 (1887).

Type. Deyra Dhoon, in coll. Moore.
a. Calcutta.

1279. Eupterote affinis.

Eupterote affinis. Moore: Trans. Ent. Soc., Lond., 1884, p. 369.

Eupterote affinis. Cotes and Swinh.: Cat. Moths of India, ii. 202. 1368 (1887).

Type. North India, in B. M.
a. India (2). b. Central India.

1280. Eupterote unicolor.

Eupterote unicolor. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 65, pl. 142, f. 8 (1891).

Type. Nilgiri Hills, in B. M.
a. Nilgiri Hills.

1281. Eupterote subdita.

Eupterote subdita. Moore: Trans. Ent. Soc., Lond., 1884, p. 361.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 206. 1405 (1887).

Type. Jubbulpore, in B. M.
a. India.

1282. Eupterote flavia.

Eupterote flavia. Hampson: Ill. Typ. Lep. Het., B. M., viii. p. 64, pl. 142, f. 10 (1891).

Type. Nilgiri Hills, in B. M.
a. India.

This insect is marked *Tagora trigutta* (Walker), and has the usual printed label marked type upon it, but I can find no reference, and it appears to be only a MS. name.

1283. Eupterote geminata.

Dreata geminata. Walker: iv. 907 (1855).
Brachytera geminata. Moore: Lep. Ceylon, ii. p. 143, pl. 137, f. 2, 2 *a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 208. 1419 (1887).
Dreata anada. Moore: Cat. Lep. E. I. C., ii. p. 365 (1859).
——————— Walker: xxxii. 373 (1865).
Eupterote anada. Cotes and Swinh.: Cat. Moths of India, ii. 202. 1370 (1887).
Horanpella placida. Moore: Lep. Ceylon, ii. p. 143, pl. 137, f. 1, 1 *a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 197. 1332 (1887).

Type. Ceylon, in B. M.
Type (*anada*). Kanara, in B. M.
Type (*placida*). Ceylon, in coll. Moore.
a. India. b. India (2) (var. *anada*). c. Koorg (var. *anada*).
d. Ceylon (var. *placida*).

1284. Eupterote primularis.

Brachytera primularis. Moore: Trans. Ent. Soc., Lond., 1884, p. 371.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 208. 1421 (1887).

Brachytera primularis. Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 267 (1891).

Type. Shevaroy Hills, in coll. Moore.
a. India.

GENUS **MURLIDA**. Moore: Cat. Lep., E. I. C., ii. p. 422 (1859).

1285. Murlida lineosa.

Lasiocampa lineosa. Walker: vi. 1440 (1855).
Murlida lineosa. Moore: Cat. Lep. E. I. C., ii. p. 422 (1859).
———— Walker: xxxii. 563 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 685.
———— Trans. Ent. Soc., Lond., 1884, p. 371.
———— Cotes and Swinh.: Cat. Moths of India, ii. 208. 1418 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 10. 266 (1891).
Eupterote lineosa. Butler: Ill. Typ. Lep. Het., B. M., v. p. 67, pl. 96, f. 9 (1881).

Type. Nepal, in B. M.
a. North India (Drinkwater).

1286. Murlida citrina.

Dreata citrina. Walker: iv. 905 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 365 (1859).
Eupterote citrina. Cotes and Swinh.: Cat. Moths of India, ii. 203. 1376 (1887).

Type. Central India, in B. M.
a. Central India. b. India (3). c. India (Hearsay).

GENUS **APONA**. Walker: vii. 1762 (1856).

1287. Apona pallida.

Apona pallida. Walker: vii. 1763 (1856).
———— Moore: P. Z. S., Lond., 1872, p. 579.
———— Cotes and Swinh.: Cat. Moths of India, ii. 199. 1350 (1887).

Type. Himalaya Mountains, in B. M.
a. India.

1288. Apona cashmirensis.

Gastropacha cashmirensis. Kollar: Kash. von Hügel, p. 472, pl. 21, f. 4 (1848).
Apona cashmirensis. Cotes and Swinh.: Cat. Moths of India, ii. 199. 1349 (1887).

a. India.

1289. Apona plumosa.

Apona plumosa. Moore: P. Z. S., Lond., 1872, p. 579.

Apona plumosa. Cotes and Swinh.: Cat. Moths of India, ii. 199. 1351 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 9. 251 (1891).

a. Nilgiri Hills (type ♂). b. Burma. c. Nilgiri Hills.

GENUS **PALIRISA**. Moore: Trans. Ent. Soc., Lond., 1884, p. 360.

1290. Palirisa lineosa.

Jana lineosa. Walker: iv. 912 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 365 (1859).
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 71, pl. 98, f. 4 (1881).
Palirisa lineosa. Moore: Trans. Ent. Soc., Lond., 1884, p. 360.
———— Cotes and Swinh.: Cat. Moths of India, ii. 202. 1366 (1887).

Type. Sylhet, in B. M.
a. Sylhet.

GENUS **TAGORA**. Walker: v. 1188 (1855).

1291. Tagora patula.

Tagora patula. Walker: v. 1189 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 366 (1859).
———— P. Z. S., Lond., 1867, p. 681.
———— Butler: Ill. Typ. Lep. Het., B. M., v. p. 70, pl. 98, f. 1, 2 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 201. 1359 (1887).
Sphingognatha khasiana. Moore: Descr. Ind. Lep. Atk., i. p. 77 (1879).
———— Cotes and Swinh.: Cat. Moths of India, ii. 201. 1361 (1887).

Type. Sylhet, in B. M.
a. Assam (3) (Jenkins). b. India. c. Sylhet.

1292. Tagora pallida.

Jana pallida. Walker: iv. 912 (1855).
———— Moore: P. Z. S., Lond., 1867, p. 681.
Tagora pallida. Butler: Ill. Typ. Lep. Het., B. M., v. p. 71, pl. 98, f. 3 (1881).
Sphingognatha pallida. Cotes and Swinh.: Cat. Moths of India, ii. 201. 1362 (1887).
Sphingognatha asclepiades. Felder: Reise Nov. Lep., pl. 94, f. 1 (1868).

Type. Sylhet, in B. M.
a. Sarawak, Borneo. b. Without locality.

GENUS **MELANOTHRIX**. Felder: Reise Nov. Lep., pl. 94, f. 2 (1868).

1293. Melanothrix nymphaliaria.

Gnophos (?) *nymphaliaria.* Walker: xxxv. 1598 (1866).

Melanothrix pulchricolor. Felder: Reise Nov. Lep., pl. 94, f. 2 (1868).
Type. Java, in B. M.
a. Penang (Ormerod).

Family **COSSIDÆ.**

Genus **STRIGOIDES.** Guérin: Cuvier's Règne Animal Ins., p. 505 (1844).
Duomitus. Butler: Ann. Mag. N. H. (5) vi., p. 68 (1880).

1294. Strigoides strix.

Phalæna-Noctua strix. Linn.: Mus. Lud. Ulr., 377 (1764).
———— Syst. Nat., i. 2. 832. 82 (1767).
———— Clerck: Icon., pl. 51, f. 1 (1764).
Phalæna-Bombyx strix. Cramer: Pap. Exot., ii. 77, pl. 145, f. A (1777).
Bombyx strix. Oliv.: Enc. Méth., v. 56. 120 (1789).
Xyleutes strix. Hübner: Verz. Schm., p. 195 (1816).
Cossus strix. Walker: vii. 1521 (1856).
———— Piepers and Snellen: Tijd. voor Ent., 1877, p. 22 (larva).
Zeuzera bubo. Butler: Ann. Mag. N. H. (5), x. p. 228 (1882).

Type (*bubo*). New Britain, in B. M.
a. Makian, Celebes (3) (Wallace). b. Makessar, Celebes (Wallace). c. Ternate (3) (Wallace). d. Bourou.

1295. Strigoides ceramica.

Zeuzera ceramica. Walker: xxxii. 587 (1865).
Duomitus ligneus. Butler: Ann. Mag. N. H. (5), vi. p. 68 (1880).
———— Ill. Typ. Lep. Het., B. M., vi. p. 29, pl. 108, f. 3 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 234. 1599 (1887).

Type (*ligneus*). Darjiling, in B. M.
a. Ceram (type) (Wallace).

1296. Strigoides lituratus.

Cossus lituratus. Don.: Epit. Ins. New Holl., pl. 37 (1805).
———— Boisd.: Voy. de l'Astrolabe, i. Lep. 235. 1 (1832).
Zeuzera liturata. Walker: vii. 1540 (1856).
Xyrena camarinæ. Herr Schäff.: Lep. Exot. Sp. Nov., i. f. 162 (1853).

a. Van Diemen's Land (7). b. Queensland. c. New Holland (6).

1297. Strigoides fuscus. n. sp.

♂ ♀ Dark pinkish brown, thorax with a broad grey band on each side, internally lined with black, abdomen white at the base, wings covered with transverse blackish strigæ. Fore-wings white at the extreme base, a whitish discal spot, from whence there is a whitish streak to the apex and the wing is slightly smeared with white in

parts in the male, cilia white with square brown spots at the extremities of the veins. Hind-wings with a similar cilia on the upper part, pure white cilia at the anal angle. Underside, thorax and abdomen white, wings streaked with white.

Expanse of wings ♂ $4\frac{5}{10}$, ♀ $5\frac{1}{10}$ inches.

a. Queensland (♂ ♀ types). b. New South Wales.

Allied to *S. lituratus* (Walker).

1298. Strigoides tenebrifer.

Cossus tenebrifer. Walker: xxxii. 585 (1865).

Type. Moreton Bay, in B. M.

a. N. Australia (2).

1299. Strigoides hyphinoë.

Phalæna hyphinoe. Cramer: Pap. Exot., ii. 91, pl. 154, f. B (1777).
Bombyx hyphinoe. Fabr.: Sp. Ins., ii. 181. 64 (1781).
——————— Mant. Ins., ii. 116. 81 (1787).
——————— Ent. Syst., iii. 436. 91 (1793).
——————— Oliv.: Enc. Méth., v. 56. 118 (1789).
Phalæna-Bombyx hyphinoe. Gmel.: ed. Syst. Nat., i. 5. 2417. 512 (1788).
Chalcidica hyphinoe. Hübner: Verz. Schm., p. 197 (1816).
Zeuzera hyphinoe. Walker: vii. 1535 (1856).
Zeuzera alboatra. Walker: xxxii. 589 (1865).

Type (*alboatra*). Moreton Bay, in B. M.

a. North Australia.

1300. Strigoides decoratus. n. sp.

♀ Brown tinged with pinkish, thorax with a broad whitish band on each side, abdomen white at the base, wings with some white hairs at their base. Fore-wings with four longitudinal bands of more or less confluent, large white spots, 1st along costa, the spots largest along the middle and gradually becoming smaller towards each extremity, 2nd from middle of cell to apex, those in the cell small and becoming large and double towards the apex, 3rd just below the middle, of a uniform size and double, from the base to the outer margin, 4th along the hinder margin. Hind-wings with some white on the outer margin and with white cilia. Underside with two bands of spots on each wing and some spots near the outer margin.

Expanse of wings $5\frac{1}{2}$ inches.

a. Swan River.

A much damaged example without abdomen of this beautiful species, allied to nothing I know of.

GENUS **ZEUZERA.** Latr.: Nouv. Dict. d'Hist. Nat., xxiv., p. 186 (1804).

Hinnœya. Moore: Lep. Ceylon, ii. p. 153 (1882).

1301. Zeuzera scalaris.

Hepialus scalaris. Fabr.: Sp. Ins., ii. 208. 4 (1781).
——————— Mant. Ins., ii. 135. 7 (1787).

Phalæna-Hepialus scalaris. Gmel.: ed. Syst. Nat., i. 5. 2618. 1304 (1788).
Cossus scalaris. Fabr.: Ent. Syst., iii. 2. 5. 5 (1793).
Phalæna scalaris. Don.: Ins. India, pl. 50 (1800).
Morpheis scalaris. Hübner: Verz. Schm., p. 196 (1816).
Zeuzera bivittata. Walker: xxxii. 586 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 232. 1587 (1887).

Type (*bivittata*). North India, in B. M.
a. India (2). b. Cambodia, Siam (Mouhot). c. Bengal.

1302. Zeuzera congerens. n. sp.: Pl. VIII. f. 5.

White, head ochreous in front, thorax brown with a whitish stripe on each side which meets behind the head. Fore-wings covered with square brown spots, a broad longitudinal white streak below the costa and another above the hinder margin. Hind-wings and abdomen white, abdomen with brown segmental bands. Under-side much as above, segmental bands on abdomen darker.

Expanse of wings 2½ inches.

a. New Holland (type). b. New Holland.

Much resembles *Z. scalaris* (Walker) from India, but there are two white stripes on each fore-wing instead of one and the upper stripe is almost sub-costal instead of being in the middle.

1303. Zeuzera pusilla.

Zeuzera pusilla. Walker: vii. 1538 (1856).
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 28, pl. 107, f. 9 (1886).
——————— Cotes and Swinh., Cat. Moths of India, ii. 234. 1596 (1887).

Type. North India, in B. M.
a. India. b. Nilgiri Hills (3).

1304. Zeuzera coffeæ.

Zeuzera coffeæ. Neitner.: Obs. Enemies of Coffee in Ceylon, p. 21 (1861).
——————— Moore: Lep. Ceylon, ii. p. 154, pl. 143, f. 1, 1 *a*, 1 *b* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 232. 1588 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 11. 283 (1891).
Zeuzera roricyanea. Walker: Journ. Linn. Soc., vi. p. 177 (1862).
——————— xxxii. 586 (1865).
Zeuzera oblita. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 198, pl. 6, f. 9.

Type (*oblita*). Rangoon, in B. M.
a. Sarawak, Borneo (type *roricyanea*) (Wallace).

1305. Zeuzera multistrigaria.

Zeuzera multistrigaria. Moore: P. Z. S., Lond., 1881, p. 327.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 233. 1593 (1887).
Zeuzera indica. Walker (nec Herr Schäff.): vii. 1536 (1856).

Type. Darjiling, in B. M.
a. Sylhet. b. India (4) (Hutton).

1306. Zeuzera leuconota.

Zeuzera leuconota. Walker: vii. 1537 (1856).
——————— Moore: Cat. Lep. E. I. C., ii. p. 436 (1859).
——————— P. Z. S., Lond., 1867, p. 685.
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 28, pl. 108, f. 1, 2 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 233. 1591 (1887).
Hinnæya leuconota. Moore: Lep. Ceylon, ii. p. 152, pl. 143, f. 3, 3 *a* (1882).

Type. Ceylon, in B. M.
a. India (3). b. China.

1307. Zeuzera signata.

Zeuzera signata. Walker: vii. 1537 (1856).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 234. 1597 (1887).

Type. North India, in B. M.
a. India.

1308. Zeuzera celebesa.

Zeuzera celebesa. Walker: xxxii. 588 (1865).

a. Menado, Celebes (type ♀) (Wallace).

1309. Zeuzera mineus.

Phalæna-Bombyx mineus. Cramer: Pap. Exot., ii. pl. 131, f. D (1777).
Zeuzera mineus. Walker: vii. 1535 (1856).
——————— Moore: Cat. Lep. E. I. C., ii. p. 436 (1859).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 233. 1592 (1887).
Zeuzera minea. Don.: Ins. Ind., p. 82, pl. 53, f. 1 (1800).
Chalcidica minea. Hübner: Verz. Schm., p. 197 (1816).

a. India (3). b. Assam (Jenkins). c. Cambodia, Siam (3) (Mouhot).

Genus **DEGIA.** Walker: Journ. Linn. Soc., Lond., vi. p. 177 (1862).

1310. Degia imparata.

Degia imparata. Walker: Journ. Linn. Soc., Lond., vi. p. 178 (1862).
——————— xxxii. 600 (1865).

a. Sarawak, Borneo (type) (Wallace).

The genus *Degia* differs from *Cossus* in having the antennæ the same as it is in the genus *Zeuzera* and in having veins 8 and 9 of the fore-wing stalked instead of veins 7 and 8.

Genus **MEKLA.** Gen. Nov.

♂ Allied to the genus *Degia*, but differs from it in having veins 9 and 10 of fore-wings stalked instead of veins 8 and 9.

1311. Mekla deficiens.

Degia deficiens. Walker: Journ. Linn. Soc., Lond., vi. p. 178 (1862).
———— xxxii. 600 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Sarawak (2).

GENUS **ARBELA.** Moore: P. Z. S., Lond., 1879, p. 411.

1312. Arbela quadrinotata.

Cossus (?) *quadrinotata* ♀. Walker: vii. 1521 (1856).
Arbela quadrinotata. Moore: P. Z. S., Lond., 1879, p. 412.
———— Lep. Ceylon, ii. p. 155, pl. 143, f. 3 (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 235. 1603 (1887).
Cossus abruptus ♂. Walker: xxxii. 584 (1865).
———— Cotes and Swinh.: *l. c.*, 232. 1581.
Cossus tessellatus. Moore: Descr. Ind. Lep. Atk., i. p. 85 (1879).
———— Waterhouse: Aid., pl. 187, f. 8 (1890).
Arbeta tessellata. Moore: P. Z. S., Lond., 1879, p. 411.
———— Cotes and Swinh.: *l. c.*, 235. 1604.
Zeuzera pardicolor. Moore: Descr. Ind. Lep. Atk., i. p. 86 (1879).
———— Cotes and Swinh., *l. c.*, 234. 1595.
Arbela tetraonis. Moore: P. Z. S., Lond., 1879, p. 411, pl. 34, f. 3.
———— Swinhoe: P. Z. S., Lond., 1885, p. 307.
———— Cotes and Swinh.: *l. c.*, 235. 1605.

Type. Ceylon, in B. M.
Type (*abruptus*). India, in B. M.
Type (*pardicolor*). Darjiling, in coll. Stoudinger.
Type (*tetraonis*). Bombay, in coll. Moore.
a. Bombay. b. Bangalore (Minchin).
A very variable insect.

GENUS **CULAMA.** Walker: vii. 1524 (1856).

1313. Culama australis.

Culama australis. Walker: vii. 1525 (1856).

Type. Australia, in B. M.
a. Queensland. b. Van Diemen's Land. c. New South Wales.

GENUS **COSSUS.** Fabr.: Ent. Syst., iii. (2), p. 3 (1794).

1314. Cossus caliginosus.

Cossus caliginosus. Walker: vii. 1522 (1856).

Type. Van Diemen's Land, in B. M.
a. New South Wales.

1315. Cossus chloratus. n. sp.: Pl. VIII. f. 8.

♂ Reddish grey, head and thorax reddish. Fore-wings reddish for two-thirds the length, transversely striated, thickly on the reddish

part, costa with some brown marks. Hind-wings reddish grey, with the costal space white, abdomen grey.

Expanse of wings $1\frac{4}{10}$ inches.

a. Sarawak, Borneo (type) (Wallace).

1316. Cossus cadambæ.

Cossus cadambæ. Moore: P. Z. S., Lond., 1865, p. 822.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 232. 1582 (1887).
——————— Waterhouse: Aid., pl. 187, f. 7 (1890).

Type. Calcutta, in coll. Moore.

a. Bombay (3).

Genus **PHRAGMATÆCIA.** Newman: Zool. viii., p. 2931 (1850).

1317. Phragmatæcia castaneæ.

Bombyx castaneæ. Hübner: Beitr., ii. 1. 9, pl. 1, f. C (1790).
Phragmatæcia castaneæ. Hampson: Ill. Typ. Lep. Het., B. M., viii. 11. 284 (1891).
Bombyx castanea. Esp.: Schm., iii. 27, pl. 94, cont. 25, f. 1 (1807).
Bombyx arundinis. Hübner: Bomb., 151. 1, pl. 47, f. 200, 201 (1803).
Cossus arundinis. Ochs: Schm. von Eur., iii. 98. 5 (1810).
Zeuzera arundinis. Hübner: Verz. Schm., p. 196 (1816).
——————— Meig.: Syst. Besch. Eur. Schm., ii. 188. 1, pl. 76, f. 4 (1820).
——————— Steph.: Entomologist, p. 160 (1841).
——————— Herr Schäff.: Samml. Eur. Schm. Text, ii. 13. 6 (1850).
Phragmatæcia arundinis. Newman: Zool., viii. p. 2931 (1850).
——————— Walker: vii. 1543 (1856).

a. India.

1318. Phragmatæcia gummata. n. sp.: Pl. VIII. f. 14.

♂ Dull dark brown; antennæ, head, thorax, and fore-wings of a uniform dull dark brown colour. Fore-wings with indications of a discal transverse very oblique band of brown spots, the wing is covered with minute brown irrorations, otherwise it is quite unmarked. Hind-wings and abdomen brownish grey. Underside uniformly of the same colour, unmarked.

Expanse of wings $1\frac{4}{10}$ inches.

a. Java (type).

Allied to *P. impura* (Hampson).

Genus **COSSODES.** White: App. Grey's Journ. Exped. Discov. Austral., p. 477 (1841).

Turoma. Herr Schäff.: Lep. Exot. Sp. i. p. 149 (1853).

1319. Cossodes lyonetii.

Cossodes lyonetii. White: App. Grey's Journ. Exped. Discov. Austral., p. 477 (1841).

Cossodes lyonetii. White: Entomologist, p. 350 (1842).
———— Walker: vii. 1526 (1856).
Turoma lyonetii. Herr Schäff.: Lep. Exot. Sp., i. f. 149 (1853).
a. King George's Sound.

GENUS **PTILOMACRA.** Walker: v. 1098 (1855).

1320. Ptilomacra senex.

Ptilomacra senex. Walker: v. 1098 (1855).
Type. New Holland, in B. M.
a. New Holland. b. New South Wales. c. Queensland.

FAMILY **HEPIALIDÆ.**

GENUS **OXYCANUS.** Walker: vii. 1573 (1859).

1321. Oxycanus australis.

Oxycanus australis. Walker: vii. 1574 (1859).
Porina australis. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1121.
Pielus maculosus. Felder: Reise Nov. Lep., pl. 81, f. 1 (1868).
Type. Australia, in B. M.
a. Van Diemen's Land.

1322. Oxycanus fuscomaculatus.

Oxycanus fuscomaculatus. Walker: vii. 1574 (1856).
Porina fuscomaculata. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1120.
Oxycanus pardalinus. Walker: xxxii. 598 (1865).
Type. New Holland, in B. M.
Type (*pardalinus*). South Australia, in B. M.
a. Van Diemen's Land (12). b. New South Wales. c. Queensland (2).

1323. Oxycanus rufescens.

Oxycanus rufescens. Walker: vii. 1575 (1856).
Porina rufescens. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1122.
Oxycanus subvarius. Walker: vii. 1575 (1856).
Type. Without locality, in B. M.
Type (*subvarius*). Van Diemen's Land, in B. M.
a. Van Diemen's Land.

1324. Oxycanus cervinata.

Elhamma cervinata. Walker: xxxiii. 595 (1865).
Porina cervinata. Butler: P. Z. S., Lond., 1877, p. 381.
Type. Auckland, New Zealand, in B. M.
a. South Island, New Zealand (2).

1325. Oxycanus umbraculata.

Pielus umbraculatus. Guérin: Ent. Mo. Mag., v. p. 1 (1868).

a. New Zealand (2).

GENUS **PORINA.** Walker: vii. 1572 (1856).

1326. Porina signata.

Elhamma signata. Walker: vii. 1563 (1856).
Porina signata. Butler: Lep. N. Zealand, pl. ii., f. 8 (1874).
Porina novæzealandæ. Walker: vii. 1573 (1856).

Type. New Zealand, in B. M.
Type (*novæzealandæ*). New Zealand, in B. M.
a. South Island, New Zealand (2).

1327. Porina dirempta.

Porina dirempta. Walker: xxxii. 597 (1865).
———————— Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1121.

Type. South Australia, in B. M.
a. Van Diemen's Land.

GENUS **ELHAMMA.** Walker: vii. 1561 (1856).

1328. Elhamma inconclusa.

Elhamma inconclusa. Walker: vii. 1562 (1856).
Perissectis inconclusa. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1119.

Type. Sydney, in B. M.
a. New South Wales (5).

GENUS **ONCOPERA.** Walker: vii. 1558 (1856).

1329. Oncopera intricata.

Oncopera intricata. Walker: vii. 1559 (1856).

Type. Van Diemen's Land, in B. M.
a. Van Diemen's Land (7). b. New Holland (3). c. Swan River.

GENUS **FRAÜS.** Walker: vii. 1564 (1856).

Hectomanes. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1125.

1330. Fraüs simulans.

Fraüs simulans. Walker: vii. 1564 (1856).
Hectomanes simulans. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1126.

Type. Van Diemen's Land, in B. M.
a. Van Diemen's Land (4). b. New Holland (4).

GENUS **CASANA.** Walker: xxxii. 591 (1865).

1331. Casana trichiloides. Pl. VIII. f. 10.

Casana trichiloides. Walker: xxxii. 591 (1865).

a. Aru (type) (Wallace).

GENUS **CHARAGIA**. Walker: vii. 1569 (1856).

1332. Charagia virescens.

Hepialus virescens. Double: Dieffenbach's New Zealand, i. 284. 114 (1843).
Charagia virescens. Walker: vii. 1569 (1856).
———— Scott: Trans. Ent. Soc., N. S. W., ii. p. 29 (1869).
———— Butler: P. Z. S., Lond., 1877, p. 380.
———— Gossett: Trans. N. Z. Inst., 1879, p. 347 (larva).

a. New Zealand.

1333. Charagia argyrographa.

Charagia argyrographa. Felder: Reise Nov. Lep., pl. 81, f. 2 (1868).

a. New Holland (2). b. King George's Sound (2).

1334. Charagia pomalis. n. sp. Pl. VIII. f. 3.

♂ Pale apple green, thorax with a yellowish grey band in front and with some similarly coloured hairs overlapping the base of fore-wings; hind-wings and abdomen paler than fore-wings and thorax; fore-wings with a discal transverse thin macular ochreous grey band, reaching neither the costa nor the hinder margin; hind-wings with some whitish hairs towards the base; wings below of a uniform pale greenish grey with the apical portions strongly tinged with yellow.

Expanse of wings $2\frac{6}{10}$ inches.

a. Queensland (type).

This insect is in the B. M. without name; it is allied to nothing I know of.

1335. Charagia lignivora.

Hepialus lignivorus. Lewin: Prodr. Ent., 17, pl. 16 (1805).
———— Boisd.: Voy. de l'Astrolabe, i. Lep., p. 234 (1832).
———— Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1129.
Charagia lignivora. Walker: vii. 1570 (1856).
———— Scott: Trans. Ent. Soc., N. S. W., ii. p. 29 (1869).
Charagia lewinii. Walker: vii. 1570 (1856).
———— Scott: Trans. Ent. Soc., N. S. W., ii. p. 30 (1869).

Type (*lewinii*). Sydney, in B. M.

a. Queensland (2). b. New South Wales.

1336. Charagia lamberti.

Charagia lamberti. Walker: vii. 1571 (1856).

Type. New Holland, in B. M.

a. Australia.

1337. Charagia rubroviridans.

Charagia rubroviridans. Walker: vii. 1570 (1856).

Type. New Zealand, in B. M.

a. Queensland.

1338. Charagia dulcis. n. sp.

♂ Thorax and fore-wings grass green, abdomen and hind-wings red, fore-wings with two discal transverse white bands, stopping

short of both costa and hinder margin, both edged on each side with brown, the bands are well separated and parallel to the outer margin and to each other and have a semi-macular appearance as if formed of so many connected lunules, outer and hinder margins with a brown band, cilia white. Underside of a uniform reddish colour with the white bands of the fore-wings showing through.

Expanse of wings $4\frac{4}{10}$ inches.

a. Swan River (type) (Curteis).

1339. Charagia hectori.

Charagia hectori. Butler: P. Z. S., Lond., 1877, p. 380.

Type. North Island, New Zealand, in B. M.

a. South Island, New Zealand (2).

GENUS **PIELUS.** Walker: vii. 1576 (1856).

Trictena. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1135.

1340. Pielus tasmaniæ.

Pielus tasmaniæ. Walker: vii. 1577 (1856).

Type. Van Diemen's Land, in B. M.

a. Queensland (2). b. New Holland (2).

1341. Pielus labyrinthicus.

Pielus labyrinthicus. Don.: Epit. Ins. New Holl., pl. 38 (1805).
——————— Boisd.: Voy. de l'Astrolabe, i. Lep. 236. 3 (1832).
——————— Walker: vii. 1577 (1856).
Trictena labyrinthicus. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1135.
Cossus argenteus. Don.: Epit. Ins. New Holl., pl. 38 (1805).
——————— Boisd.: Voy. de l'Astrolabe, i. Lep. 237. 4 (1832).
Epiolus argenteus. Herr Schäff.: Lep. Exot. Sp., i. pl. 41, f. 47, 48 (1853).
Pielus atripalpus. Walker: vii. 1577 (1856).

Type (*atripalpus*). Van Diemen's Land, in B. M.

a. Van Diemen's Land (5). b. Swan River. c. New Holland (2). d. Queensland. e. King George's Sound. f. Australia (2).

1342. Pielus hydrographus.

Pielus hydrographus. Felder: Reise Nov. Lep., pl. 80, f. 3 (1868).

a. Swan River.

Felder's plate represents a female; the Swan River specimen is a male, and is exactly similar in markings to the plate, and though allied to *P. labyrinthicus* (Don.), which is a variable species, this seems to be separate.

1343. Pielus albofasciatus. n. sp.

♂ ♀ Head, thorax, and fore-wings brown tinged with pinkish; fore-wings with the usual crenulations, a broad white longitudinal stripe

from the base along the centre to one-fifth from the outer margin where it bends up to the apex, with sides of the stripe more or less distorted, mostly so just before the bend, immediately below which are three small spots in the male, also a thin submarginal white stripe close to the margin, running almost up to the apex. Hind-wings and abdomen grey, both covered with white hairs towards and up to the base; legs greyish brown, pinkish beneath.

Expanse of wings ♂ $3\frac{8}{10}$, ♀ $6\frac{5}{10}$ inches.

a. Swan River (♂ ♀ types).

Allied to *P. labyrinthicus*, an insect so variable, I hesitate to describe any form allied to it, but the markings of this form are so peculiarly distinct, it looks like a good species.

1344. Pielus ingens.

Charagia ingens. Walker: xxxii. 596 (1865).
Pielus ingens. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1134.
Pielus erythrinus. Walker: xxxii. 599 (1865).

Type. New Zealand, in B. M.
Type (*erythrinus*). Australia, in B. M.
a. Australia.

1345. Pielus swainsoni.

Pielus swainsoni. Scott: Austral. Lep., ii. p. 11, pl. 4 (1864).
———— Walker: xxxv. 1951 (1866).

a. Australia (3).

GENUS **PERISSECTIS.** Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1119.

1346. Perissectis australasiæ.

Hepialus australasiæ. Walker: vii. 1558 (1856).
Perissectis australasiæ. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1119.

Type. Sydney, in B. M.
a. New South Wales.

GENUS **PHASSUS.** Walker: vii. 1566 (1856).

1347. Phassus signifer.

Phassus signifer. Walker: vii. 1568 (1856).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 30, pl. 109, f. 2 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 237. 1622 (1887).
———— Leech: P. Z. S., Lond., 1888, p. 646.

Type. Sylhet, in B. M.
a. India (2). b. Assam (Jenkins).

1348 Phassus purpurescens.

Phassus purpurescens. Moore: Lep. Ceylon, ii. p. 156, pl. 143, f. 4 (1882).
—— —— —— —— Cotes and Swinh.: Cat. Moths of India, ii. 237. 1620 (1887).

Type. Ceylon, in coll. Moore.
a. Ceylon.

1349. Phassus punctimargo. Hampson MS. ined.

♂ Head and thorax dark red brown, abdomen duller brown. Fore-wing dark red brown, the inner area, two oblique bands on the outer area and the outer angle with a glossy leaden tinge; some very indistinct yellowish quadrate marks on the costa, two indistinct post-medial lines, the inner with a white spot inside it beyond the cell, the outer curved at middle; between these two lines is a series of irregular ring marks, a similar submarginal series, traces of white specks on the outer margin, some indistinct irregular ring marks on inner area. Hind-wing pale brown with two very indistinct dark marks near the apex, the outer margin dark.

♀ Paler red brown, fore-wing with the white spots absent, the outer post-medial line nearly straight, a series of prominent white spots and streaks on outer margin of both wings, more or less conjoined in places and differently developed in the several examples.

Expanse of wings ♂ 54, ♀ 90 to 108 mm.

Type. Sykkim, in coll. Elwes.
a. India.

1350. Phassus viridis. n. sp.

♂ Head, thorax, and fore-wings green, fore-wing with a cluster of two or three spots at the end of the cell, veins and cilia fawn colour, abdomen and hind-wings greyish bronze; hind-wings very thinly clothed, veins and cilia fawn colour. Underside of a uniform pale greyish brown like the colour of the hind-wings above, quite unmarked.

Expanse of wings $3\frac{1}{10}$ inches.

a. Nilgiri Hills (type).

1351. Phassus albofasciatus.

Phassus albofasciatus. Moore: P. Z. S., Lond., 1879, p. 413, pl. 34, f. 8.
———————— Cotes and Swinh.: Cat. Moths of India, ii. 236. 1616 (1887).
———————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 11. 288 (1891).

Type. Nilgiri Hills, in coll. Moore.
a. Nilgiri Hills.

1352. Phassus damor.

Phassus damor. Moore: Cat. Lep. E. I. C., ii. p. 437 (1859).

Phassus damor. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 31, pl. 109, f. 3 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 236. 1618 (1887).

Type. Darjiling, in B. M.
a. India (2) (Hutton).

Genus **ZELOTYPIA**. Scott: Trans. Ent. Soc., N. S. W., ii. p. 37 (1869).

1353. Zelotypia stacyi.

Zelotypia stacyi. Scott: Trans. Ent. Soc., N. S. W., ii. p. 38 (1869).
———— Olliff: Proc. Linn. Soc., N. S. W. (2), ii. p. 467 (1887).
Leto stacyi. Meyrick: Proc. Linn. Soc., N. S. W., 1890, p. 1133.

a. Queensland (2).

Family **NOTODONTIDÆ**.

Sub-Family PHALERINÆ.

Genus **PHALERA**. Hübner: Verz. Schm., p. 146 (1816).

1354. Phalera sangana.

Phalera sangana. Moore: Cat. Lep. E. I. C., ii. p. 433 (1859).
———— P. Z. S., 1867, p. 682.
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 10, pl. 103, f. 4 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 152 (1887).
Phalera arenosa. Butler: Ann. Mag., N. H. (5), vi. p. 66 (1880).
———— Ill. Typ. Lep. Het., B. M., vi. p. 9, pl. 103, f. 3 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 220. 1514 (1887).
Phalera stigmigera. Butler: Ann. Mag., N. H. (5), vi. p. 66 (1880).
———— Ill. Typ. Lep. Het., B. M., vi. p. 10, pl. 103, f. 5 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 222. 1523 (1887).

Type. Darjiling, in B. M.
Type (*arenosa*). Darjiling, in B. M.
Type (*stigmigera*). Bhutan, in B. M.
a. India.

1355. Phalera javana.

Phalera javana. Moore: Cat. Lep. E. I. C., ii., p. 432, pl. 13 *a*, f. 6 (1859).
Phusiana albifrons. Walker: MS.

Type. Java, in B. M.
a. Sarawak, Borneo (Wallace).

1356. Phalera assimilis.

Pygæra assimilis. Bremer und Grey: Beitr. zur Schm.-Fauna des Nord Chinas, p. 16 (1853).
———— Walker: v. 1052 (1855).
Phalera ningpoana. Felder: Wien. Ent. Mon., vi. p. 37 (1862).
———— Walker: xxxii. 431 (1865).

a. N. China.

1357. Phalera raya.

Phalera raya. Moore: Cat. Lep. E. I. C., ii. p. 433 (1859).
———— Walker: xxxii. 430 (1865).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 8, pl. 103, f. 1 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 1520 (1887).
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 9. 224 (1891).
Phalera grotei. Moore: Cat. Lep. E. I. C., ii. p. 434, pl. 23, f. 5, 5 *a*, 5 *b* (1859).
———— Walker: xxxii. 431 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 682.
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 1517 (1887).
Phalera cossoides. Walker: Trans. Ent. Soc. (3), i. p. 80 (1862).
———— xxxii. 431 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 628.
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 1516 (1887).
Acrocera procera. Felder: Reise Nov. Lep., pl. 96, f. 1 (1868).
Phalera procera. Cotes and Swinh.: Cat. Moths of India, ii. 221. 1519 (1887).

Type. Darjiling, in B. M.
Type (*grotei*). Bengal, in B. M.
a. Sylhet (type *cossoides*).

Felder's figure is not good, but better represents this species than anything else, and the type came from the same part of India.

1358. Phalera bobi.

Phalera bobi. Swinhoe: P. Z. S., Lond., 1885, p. 302, pl. 21, f. 6.
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 1515 (1887).

Type. Bombay, in B. M.
a. India.

The South Indian form of *P. raya*, constant in its markings.

1359. Phalera parivala.

Phalera parivala. Moore: Cat. Lep. E. I. C., ii. p. 434 (1859).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 9, pl. 103, f. 2 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 221. 1518 (1887).

Phalera parivala. Hampson: Ill. Typ. Lep. Het., B. M., viii. 9. 223 (1891).

Type. Darjiling, in B. M.
a. Darjiling. b. Assam (Jenkins). c. India (2).

Sub-Family NOTODONTINÆ.

Genus **STAUROPUS.** Germ.: Syst. Gloss., p. 45 (1812).

1360. Stauropus basalis.

Stauropus basalis. Moore: Ann. Mag., N. H. (4), xx. p. 90 (1877).
Harpyia taczanowskii. Oberthür: Diagn. Lep. Ask., p. 11, Isl. Askold (1879).
——————— Études Ent., v. p. 59, pl. 2, f. 5 (1881).
Stauropus taczanowskii. Leech: P. Z. S., Lond., 1888, p. 643.

Type. Shanghai, in B. M.
a. Philippine Islands.

1361. Stauropus persimilis.

Stauropus persimilis. Butler: Ann. Mag., N. H. (5), iv. p. 353 (1879).

Type. Japan, in B. M.
a. Philippine Islands.

1362. Stauropus fasciatus.

Dasychira fasciata. Moore: Descr. Ind. Lep. Atk., i. p. 58 (1879).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 149. 980 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India.

Genus **ZANA.** Walker: vii. 1700 (1856).

1363. Zana lignosa.

Zana lignosa. Walker: vii. 1700 (1856).
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 13, pl. 104, f. 4 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 220. 1510 (1887).

Type. North India, in B. M.
a. Nilgiri Hills. b. Bombay.

Genus **TURNACA.** Walker: xxxii. 454 (1865).

1364. Turnaca acuta.

Turnaca acuta. Walker: xxxii. 454 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 220. 1511 (1887).

Corma ernestina. Swinhoe: P. Z. S., Lond. 1885, p. 302, pl. 20, f. 2.
Ambadra ernestina. Cotes and Swinh.: Cat. Moths of India, ii. 183. 1233 (1887).
Pydna indica. Moore: Descr. Ind. Lep. Atk., i. p. 67 (1879).
——— Cotes and Swinh.: Cat. Moths of India, ii. 176. 1183 (1887).

Type. Kanara, in B. M.
Type (*ernestina*). Bombay, in B. M.
Type (*indica*). Calcutta in coll. Stoudinger.
a. Bombay. b. China.

GENUS **NORRACA**. Moore: P. Z. S., Lond., 1881, p. 340.

1365. Norraca longipennis.

Norraca longipennis. Moore: P. Z. S., Lond., 1881, p. 340.

Type. Penang, in coll. Moore.
a. Ceylon (Thwaites).

GENUS **SPATALIA**. Hübner: Verz. Schm., p. 145 (1816).
Rosama. Walker: v. 1066 (1855).
Allata. Walker: Journ. Linn. Soc., Lond., vi. p. 140 (1862).
Celeia. Walker: xxxii. 463 (1865).

1366. Spatalia argentifera.

Allata argentifera. Walker: Journ. Linn. Soc., Lond., vi. p. 140 (1862).
——— xxxii. 444 (1865).
Celeia plusiata. Walker: xxxii. 463 (1865).
——— Cotes and Swinh.: Cat. Moths of India, ii. 173. 1156 (1887).
Celeia sikkima. Moore: Descr. Ind. Lep. Atk., i. p. 63 (1879).
——— Cotes and Swinh.: Cat. Moths of India, ii. 173. 1157 (1887).

Type (*plusiata*). Kanara, in B. M.
Type (*sikkima*). Darjiling, in coll. Stoudinger.
a. Sarawak, Borneo (type) (Wallace). b. India (2).

1367. Spatalia auritracta.

Celeia auritracta. Moore: P. Z. S., Lond., 1865, p. 811.
——— Cotes and Swinh.: Cat. Moths of India, ii. 173. 1154 (1887).
——— Waterhouse: Aid, 1890, pl. 187, f. 2.

Type. N. E. Bengal, in coll. Moore.
a. India. b. Nilgiri Hills.

1368. Spatalia albonotata. Pl. VIII. f. 2.

Allata albonotata. Walker: Journ. Linn. Soc., Lond., vi. p. 140 (1862).
——— xxxii. 444 (1865).

a. Sarawak, Borneo (♂ ♀ types) (Wallace).

1369. Spatalia punctifera. Pl. VIII. f. 4.

Caschara punctifera. Walker: Journ. Linn. Soc., Lond., vi. p. 133 (1862).
——————————— xxxii. 443 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Sarawak.

1370. Spatalia strigosa.

Rosama strigosa. Walker: v. 1066 (1855).

Type. Without locality, in B. M.
a. Java (3) (Horsfield).

1371. Spatalia lativitta. Pl. VIII. f. 1.

Xylina lativitta. Walker: Journ. Linn. Soc., Lond., vi. p. 195 (1862).
——————————— xxxiii. 749 (1865).

a. Sarawak, Borneo (type).

GENUS **LOPHOPTERYX.** Steph.: Ill. Brit. Ent. Haust., ii. p. 26 (1828).

1372. Lophopteryx saturata.

Lophopteryx saturata. Walker: xxii. 415 (1865).
——————————— xxxv. 1929 (1866).
——————————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 25, pl. 107, f. 1 (1886).
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 174. 1164 (1887).

Type. Darjiling, in coll. Stoudinger.
a. India (2).

GENUS **PYDNA.** Walker: vii. 1753 (1856).
Bireta. Walker: vii. 1755 (1856).
Saliocleta. Walker: Journ. Linn. Soc., Lond., vi. p. 124 (1862).
Menapia. Walker: xxxii. 461 (1865).
Ceira. Walker: xxxii. 462 (1865).
Torona. Walker: xxxii. 467 (1865).

1373. Pydna testacea.

Pydna testacea. Walker: vii. 1754 (1856).
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 177. 1184 (1887).
Saliocleta nonagrioides. Walker: Journ. Linn. Soc., Lond., vi. p. 124 (1862).
——————————— xxxi. 317 (1864).
Menapia kamadena. Moore: P. Z. S., Lond., 1865, p. 812.
——————————— Cotes and Swinh.: Cat. Moths of India, ii. 220. 1512 (1887).

Type (*kamadena*). N. E. Bengal, in coll. Moore.
a. India (type). b. India (3). c. Sarawak, Borneo (type *nonagrioides*) (Wallace).

1374. Pydna longivitta.

Bireta longivitta. Walker: vii. 1754 (1856).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 177. 1186 (1887).
——————— Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 190.
Menapia xanthophila. Walker: xxxii. 462 (1865).
——————— Moore: P. Z. S., Lond., 1867, p. 682.
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 21, pl. 104, f. 1 (1886).
Bireta xanthophila. Cotes and Swinh.: Cat. Moths of India, ii. 177. 1187 (1887).

Type (*xanthophila*). North India, in B. M.
a. India (type).

1375. Pydna calyptis. n. sp.

♂ Antennæ, head, and thorax grey, palpi reddish grey beneath, deep reddish brown above, a dark reddish brown space on the head between the antennæ and a similar coloured patch in the middle of the thorax. Fore-wings with the colour divided into two portions, the basal half grey deeply irrorated with red, the outer half grey without the red irrorations except for a patch at the apex; the division between these two colours is quite distinct, the basal portion being limited to the cell, the space above, and more than half the space below it; the wing is crossed by pale yellowish outwardly curved lines, one near the base and another before the middle; there is also an indistinct discal recurved white thin band, followed by a submarginal row of white spots with black points; cilia white, the upper part with a reddish brown base, a reddish brown space outwardly touching a large yellow ringlet at the end of the cell. Hind-wings and abdomen pale lilac grey; cilia white. Underside of a uniform lilac grey, with pale apical patches on fore-wings, and pale abdominal spaces on hind-wings.

Expanse of wings 2 inches.
a. Dorey (type) (Wallace).

Genus **JANASSA.** Walker: Journ. Linn. Soc., Lond., vi. p. 135 (1862).

1376. Janassa cerigoides. Pl. VII. f. 5.

Janassa cerigoides. Walker: Journ. Linn. Soc., Lond., vi. p. 135 (1862).
——————— xxxii. 443 (1865).

a. Sarawak, Borneo (type) (Wallace).

Genus **SOMERA.** Walker: iv. 882 (1855).

1377. Somera viridifusca.

Somera viridifusca. Walker: iv. 882 (1855).
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 20, pl. 104, f. 7 (1886).

Somera viridifusca. Cotes and Swinh.: Cat. Moths of India, ii. 160. 1059 (1887).

Type. Sylhet, in B. M.
a. India (4). b. Ceylon.

1378. Somera smaragdiplena.

Exæreta smaragdiplena. Walker: Journ. Linn. Soc., Lond., vi. p. 134 (1862).
——————————— xxxii. 424 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **NETRIA**. Walker: vi. 1504 (1855).

1379. Netria viridescens.

Netria viridescens. Walker: vi. 1504 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 372, pl. 11 *a*, f. 3 (1859).
——————————— Lep. Ceylon, ii. p. 110, pl. 120, f. 2, 2 *a* (1882).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 180. 1215 (1887).

Type. Java, in B. M.
a. Java (Horsfield). b. Amoy, China. c. Bombay. d. Ceylon.

GENUS **DEDIAMA**. Walker: Journ. Linn. Soc., Lond., vi. p. 134 (1862).

Chadisra. Walker: Trans. Ent. Soc., Lond. 1862, p. 82.

1380. Dediama basivacua. Pl. VII. f. 12.

Dediama basivacua. Walker: Journ. Linn. Soc., Lond., vi. p. 134 (1862).
——————————— xxxii. 435 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **PHEOSIA**. Hübner: Verz. Schm., p. 145 (1816).

1381. Pheosia grisea. n. sp. Pl. VIII. f. 7.

♂ Palpi, antennæ, head, thorax, and fore-wings of a uniform dark iron grey. Fore-wings with the veins more or less prominent, and several transverse indistinct sinuous and outwardly curved brown lines or thin bands, which seem to be placed in pairs, two near the base most distinct, two in the centre, and two discal; the entire wing is irrorated with whitish atoms, and there are whitish spots on the cilia. Hind-wings white and unmarked except for a grey patch on the margin near the anal angle. Abdomen and underside of a uniform pale grey, without markings.

Expanse of wings 2 inches.

a. India (type) (Hearsay).

Genus **CERASANA**. Walker: Journ. Linn. Soc., Lond., vi. p. 123 (1862).

1382. Cerasana anceps.

Cerasana anceps. Walker: Journ. Linn. Soc., Lond., vi. p. 123 (1862).
——————— xxxi. 317 (1864).

a. Sarawak, Borneo (type) (Wallace). b. Singapore.

Genus **CASCERA**. Walker: xxxii. 460 (1865).

1383. Cascera inconcisa. n. sp. Pl. VII. f. 6.

Cascera inconcisa. Walker: MS.

♂ Yellowish fawn colour, palpi chestnut brown above, yellowish beneath, antennæ brown, head, thorax, and fore-wings pale yellowish fawn colour, thorax with a chestnut brown band in front. Fore-wings with chestnut brown spots and marks on the costa, the basal half and lower portions of the outer half nearly white and unmarked, the apical portion suffused with chestnut brown, and with two transverse suffused and distorted dark chestnut brown sinuous bands, discal and submarginal, a spot of same colour at end of cell, and a band of brown marginal lunules marked with white on their inner sides. Hind-wings pale reddish brown, whitish at the immediate base; cilia of both wings reddish brown. Underside of a uniform pale reddish brown without markings.

Expanse of wings $1\frac{8}{10}$ inches.

a. Mysol (type) (Wallace).

Genus **ASTEROSCOPUS**. Boisd.: Ind. Méth., p. 59 (1840).

1384. Asteroscopus nodosus. n. sp. Pl. VIII. f. 13.

♂ Grey: palpi brown above, shaft of antennæ whitish, plumes brown, thorax and fore-wings greyish brown covered with white hairs. Fore-wings with three transverse black thin sinuous bands, most apparent on the costa on to which they are bent inwards; these bands are ante-medial, medial, and post-medial rather close together; some black longitudinal marks on the upper disc and black spear-shaped marks on the margin between the veins; cilia white. Hind-wings brownish paling inwardly to the base; cilia grey. Underside of a uniform greyish brown, somewhat paler towards the abdominal margin of hind-wings, marginal line brown, cilia grey.

Expanse of wings $1\frac{8}{10}$ inches.

a. Van Diemen's Land (type).

Genus **DESTOLMIA**. Walker: v. 991 (1855).

1385. Destolmia lineata.

Destolmia lineata. Walker: v. 992 (1855).

Type. Sydney, in B. M.

a. New South Wales.

GENUS **HYPERÆSCHRA**. Butler: Ann. Mag. N. H. (5), vi. p. 65 (1880).

1386. Hyperæschra basalis.

Notodonta basalis. Moore: P. Z. S., Lond., 1865, p. 813.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 177. 1190 (1887).

Type. Darjiling, in coll. Moore.
a. India.

1387. Hyperæschra tenebrosa.

Phalera tenebrosa. Moore: P. Z. S., Lond., 1865, p. 815.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 222. 1524 (1887).

Type. Darjiling, in coll. Moore.
a. India. b. Darjiling.

GENUS **GARGETTA**. Walker: xxxii. 455 (1865).

1388. Gargetta costigera.

Gargetta costigera. Walker: xxxii. 455 (1865).
——————— Moore: P. Z. S., Lond., 1867, p. 683.
——————— Butler: Ill. Typ. Lep. Het., B. M, vi. p. 11, pl. 103, f. 6 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, v. 706. 4821 (1888).

Type. Darjiling, in B. M.
a. Darjiling. b. India.

GENUS **THACONA**. Walker: Journ. Linn. Soc., Lond., vi. p. 169 (1862).

Porsica. Walker: xxxv. 1823 (1866).

1389. Thacona costivitta.

Thacona costivitta. Walker: Journ. Linn. Soc., Lond., vi. p. 169 (1861).
——————— xxxiii. 901 (1865).

a. Sarawak, Borneo (type) (Wallace).

GENUS **ICHTHYURA**. Hübner: Verz. Schm., p. 162 (1816).

1390. Ichthyura fulgurita.

Ichthyura fulgurita. Walker: xxxii. 433 (1865).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 178. 1195 (1887).
——————— Hampson: Ill. Typ. Lep. Het., B. M., viii. 8. 210 (1891).

Type. India, in B. M.
a. North China. b. India (2).
The Oriental form of *I. anachoreta* (Fabr.) of Europe.

1391. Ichthyura restitura.

Ichthyura restitura. Walker: xxxii. 433 (1865).
——————— Moore: Lep. Ceylon, ii. p. 115, pl. 122, f. 1, 1*a*, 1*b*, (1882).
——————— Swinhoe: P. Z. S., Lond., 1886, p. 438.
——————— Cotes and Swinh.: Cat. Moths of India, ii. 178. 1197 (1887).

Type. Ceylon, in coll. Layard.
a. India.
The Oriental form of *I. anastomosis* (Linn.) of Europe.

1392. Ichthyura costicomma. n. sp.

Ichthyura costicomma. Walker: MS. in B. M.

♂ ♀ Pale chestnut brown. Fore-wings with a darker suffusion at the base, a sinuous brown line from the costa before the middle to the hinder margin at two thirds from the base, an erect brown line inwardly edged with whitish, from the hinder margin touching the end of the first line, straight to the costa near the apex, at the upper end of this line on the inner side are three prominent pure white spots, and the whole space between these lines is of a dark bright chestnut colour, as also is the margin limited by a sinuous submarginal black line, the bright chestnut colour on the margin joining the inner patch, marginal line black. Hind-wings of a uniform pale greyish brown without markings; cilia of both wings greyish brown. Underside, greyish brown, fore-wings darkest with the hinder marginal space white.

Expanse of wings $1\frac{1}{10}$ inches.

a. Nilgiri Hills (type).
There is a female (type ♀) in my coll. from Calcutta.

1393. Ichthyura dorsalis.

Ichthyura dorsalis. Walker: Journ. Linn. Soc., Lond., vi. p. 134 (1862).
——————— xxxii. 432 (1865).
Gangamela atrifrons. Walker: Journ. Linn. Soc., Lond., vi. p. 138 (1862).
——————— xxxii. 443 (1865).

a. Sarawak, Borneo (type) (Wallace). b. Sarawak, Borneo (type *atrifrons*) (Wallace).

Genus **DAMATA.** Walker: v. 1044 (1855).

1394. Damata longipennis.

Damata longipennis. Walker: v. 1044 (1855).
——————— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 24, pl. 106, f. 10 (1886).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 176. 1179 (1887).

Type. Himalaya Mountains, in B. M.
a. India (2).

1395. Damata microsticta. Hampson MS. ined.

♂ Differs from *D. longipennis* in the thorax and patajiæ being grey. Fore-wing more thickly irrorated with fuscous, so that it appears grey, the triangular marks much smaller and black, the spot towards the outer angle absent, small black spots on the veinlets beyond the cell, in the interno-median interspace and on vein one, no marginal spots. Hind-wing with a slight fuscous patch and streak at anal angle; cilia of both wings chequered fuscous and white.

Expanse of wings 56 mm.

Type. Naga Hills, in coll. Elwes.

a. Cambodia, Siam (Mouhot).

Genus **CERURA**. Schrank: Fauna Boica, ii. p. 155 (1801).
Harpyia. Ochs: Schm. von Eur., iii. p. 19 (1810).

1396. Cerura liturata.

Cerura liturata. Walker: v. 988 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 371 (1859).
———— Stretch: Cist. Ent., ii. p. 15 (1875).
Harpyia liturata. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 19, pl. 106, f. 7 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 170. 1127 (1887).
Dicranura argentea. Felder: Reise Nov. Lep., pl. 96, f. 6 (1868).

Type. Sylhet, in B. M.

a. Sylhet (2). b. Assam (Jenkins). c. India (3). d. Sarawak, Borneo (Wallace). e. Cochin China.

1397. Cerura kandyia.

Harpyia kandyia. Moore: Lep. Ceylon, ii. p. 108, pl. 120, f. 1, 1*a* (1882).
———— Swinhoe: P. Z. S., Lond., 1885, p. 301.
———— Cotes and Swinh.: Cat. Moths of India, ii. 170. 1126 (1887).

Type. Ceylon, in coll. Moore.

a. India (2).

Genus **CYPHANTA**. Walker: xxxiii. 855 (1865).

1398. Cyphanta xanthochlora.

Cyphanta xanthochlora. Walker: xxxiii. 856 (1865).
———— Moore: P. Z. S., Lond., 1867, p. 682.
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 25, pl. 107, f. 3 (1886).
———— Cotes and Swinh.: Cat. Moths of India, ii. 183. 1229 (1887).

Type. India, in B. M.

a India (2).

GENUS **ANTHEUA**. Walker: iii. 687 (1855).

1399. Antheua servula.

Phalæna servula. Drury: Ins. Exot., ii. p. 20, pl. 11, f. 4 (1773).
Odonestis servula. Westwood: ed. Drury, ii. p. 22, pl. 11, f. 4 (1837).
———— Walker: vi. 1412 (1855).
———— Cotes and Swinh.: Cat. Moths of India, ii. 218. 1497 (1887).
Antheua servula. Swinhoe: Trans. Ent. Soc., Lond., 1890, p. 189.
———— Hampson: Ill. Typ. Lep. Het., B. M., viii. 8. 207 (1891).
Antheua discalis. Walker: iii. 767 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 431, pl. 13 *a*, f. 4, and pl. 23, f. 2, 2 *a* (larva) (1859).
———— Butler: Ill. Typ. Lep. Het., B. M., vi. p. 12, pl. 104, f. 2, 3 (1886).
———— Swinhoe: P. Z. S., Lond., 1886, p. 438.
———— Cotes and Swinh.: Cat. Moths of India, ii. 171. 1136 (1887).
Antheua exanthemata. Moore: Lep. Ceylon, ii. p. 111, pl. 119, f. 2 (not pl. 104) (1882).
———— Cotes and Swinh.: Cat. Moths of India, ii. 171. 1137 (1887).

Type (*discalis*). North India, in B. M.
Type (*exanthemata*). Ceylon, in coll. Moore.
a. Assam (2) (Jenkins). b. India (2). c. Nilgiri Hills (2).
d. Bombay (2). e. Ceylon (4) (Moseley and Thwaites).

GENUS **ANTICYRA**. Walker: v. 1091 (1855).
Dinara. Walker: vii. 1700 (1856).

1400. Anticyra combusta.

Anticyra combusta. Walker: v. 1092 (1855).
———— Moore: Cat. Lep. E. I. C., ii. p. 432, pl. 13 *a*, f. 5, and pl. 23, f. 3, 3 *a* (larva) (1859).
———— Cotes and Swinh.: Cat. Moths of India, ii. 171. 1135 (1887).
Dinara lineolata. Walker: vii. 1700 (1856).

Type. Philippine Islands, in B. M.
a. India (type *lineolata*). b. India. c. Bombay (2).

GENUS **DUDUSA**. Walker: xxxii. 446 (1865).

1401. Dudusa nobilis.

Dudusa nobilis. Walker: xxxii. 447 (1865).

Type. North China, in B. M.
a. Singapore (2).

GENUS **DANIMA**. Walker: v. 1052 (1855).

1402. Danima banksiæ.

Bombyx banksiæ. Lewin: Prodr. Ent., p. 10, pl. 9 (1805).
Harpya banksiæ. Boisd.: Voy. de l'Astrolabe, i. Lep., p. 238 (1832).
Danima banksiæ. Walker: v. 1053 (1855).

a. Van Diemen's Land. b. New South Wales.

GENUS **PTERYGOSOMA**. Felder: Reise Nov. Lep., pl. 98, f. 7 (1868).

1403. Pterygosoma terminalis.

Teara (?) *terminalis.* Walker: vii. 1733 (1856).
Pterygosoma squamipunctum. Felder: Reise Nov. Lep., pl. 98, f. 7 (1868).

Type. Moreton Bay, in B. M.
a. New South Wales. b. Van Diemen's Land.

GENUS **HYLEORA**. Double: P. Z. S., Lond., 1848. p. 117.

1404. Hyleora eucalypti.

Hyleora eucalypti. Double: P. Z. S., Lond., 1848, p. 117, pl. 5.
———— Walker: v. 1045 (1855).
———— Stretch: Cist. Ent., ii. p. 15 (1875).
Sorema inclyta. Walker: Trans. Ent. Soc., Lond. (3), i. p. 79 (1862).
Hyleora sphinx. Felder: Reise Nov. Lep., pl. 96, f. 4 (1868).

Type. Van Diemen's Land, in B. M.
a. New South Wales (4). b. Australia (2). c. New South Wales (type *inclita*).

1405. Hyleora dilucida.

Hyleora dilucida. Felder: Reise Nov. Lep., pl. 96, f. 5 (1868).

a. Queensland. b. New Holland.

1406. Hyleora capucina.

Hyleora capucina. Felder: Reise Nov. Lep., pl. 96, f. 1 (1868).

a. New South Wales (2).

GENUS **SORAMA**. Walker: v. 1034 (1855).

1407. Sorama bicolor.

Sorama bicolor. Walker: v. 1034 (1855).

Type. Van Diemen's Land, in B. M.
a. New South Wales (2). b. Van Diemen's Land (2).

GENUS **NEOLA**. Walker: v. 1033 (1855).

1408. Neola semiaurata.

Neola semiaurata. Walker: v. 1033 (1855).

Type. Van Diemen's Land, in B. M.
a. New South Wales (2). b. Moreton Bay. c. Australia.

Family **CYMATOPHORIDÆ.**

Genus **THYATIRA.** Hübn.: Verz. Schm., p. 236 (1816).

1409. Thyatira batis.

Phalæna (Noctua) batis. Linn.: Syst. Nat., i. v. 2546. 97 (1735).
——————————— Faun. Suec., 308. 1158 (1761).
Noctua batis. Fabr.: Sp. Ins., ii. 216. 42 (1781).
——————————— Mant. Ins., ii. 141. 56 (1787).
——————————— Ent. Syst., iii. 2. 30. 73 (1794).
——————————— Esper.: Schm., iv. pl. 86, f. 6–8, and pl. 103, f. 7–9 (1786).
——————————— Hübner: Eur. Schm. Noct., p. 4, pl. 62 (1806–18).
Strophia batis. Treit.: Schm. Eur., 2. 162. 1 (1825).
Thyatira batis. Hübner: Verz. Schm., 236. 2355 (1816).
——————————— Dup.: Hist. Nat. Lep. France, vii. p. 46, pl. 103, f. 3 (1826).
——————————— Curtis: Brit. Ent., ii. pl. 12 (1823–40).
——————————— Steph.: Ill. Brit. Ent. Haust., iii. 48. 2 (1829).
——————————— Boisd.: Ind. Méth., 130. 1041 (1840).
——————————— Herr Schäffer: Eur. Schm., ii. 170. 9 (1845).
——————————— Walker: ix. 7 (1856).
——————————— Moore: P. Z. S., Lond., 1867, p. 45.
——————————— Cotes and Swinh.: Cat. Moths of India, iii. 258. 1624 (1888).
——————————— Leech: P. Z. S., Lond., 1888, p. 651.

a. India (2). b. Japan.

Genus **GAURENA.** Walker: xxxii. 619 (1865).

1410. Gaurena florens.

Gaurena florens. Walker: xxxii. 620 (1865).
——————————— xxxv. 1953 (1866).
——————————— Moore: P. Z. S., Lond., 1867, p. 47.
——————————— Cotes and Swinh.: Cat. Moths of India, iii. 257. 1627 (1888).
Thyatira florens. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 31, pl. 109, f. 4 (1886).

Type. Darjiling, in coll. Stoudinger.
a. India (2).

1411. Gaurena florescens.

Gaurena florescens. Walker: xxxii. 620 (1865).
——————————— xxxv. 1953 (1866).
——————————— Moore: P. Z. S., Lond., 1867, p. 47.
——————————— Cotes and Swinh.: Cat. Moths of India, iii. 258. 1628 (1888).
Thyatira florescens. Butler: Ill. Typ. Lep. Het., B. M., vi. p. 32, pl. 109, f. 5 (1886).

Type. Darjiling, in B. M.
a. India (2).

Genus **HABROSYNE**. Hübner: Verz. Schm., p. 236 (1816).

1412. Habrosyne indica.

Gonophora indica. Moore: P. Z. S., Lond., 1867, p. 44.
———— Waterhouse: Aid, i. pl. 9 (1889).
Habrosyne indica. Cotes and Swinh.: Cat. Moths of India, iii. 258. 1630 (1888).

Type. Bengal, in coll. Russell.
a. India.

Genus **SARONAGA**. Moore: P. Z. S., Lond., 1881, p. 330.

1413. Saronaga albicosta.

Thyatira albicosta. Moore: P. Z. S., Lond., 1867, p. 45.
Saronaga albicosta. Moore: P. Z. S., Lond., 1881, p. 330.
———— Cotes and Swinh.: Cat. Moths of India, iii. 257. 1626 (1888).

Type. Bengal, in coll. Russell.
a. India.

ADDENDA

GENUS **METAMIMAS**. Butler: Trans. Zool. Soc., Lond. 1877, p. 582.

101 A. Metamimas australasiæ.

Sphinx australasiæ. Don.: Ins. New Holland, pl. 33, f. 1 (1805).
Acherontia australasiæ. Boisd.: Voy. de l'Astrolabe Ent., p. 181 (1832).
Cæquosa australasiæ. Walker: viii. 257 (1856).
Metamimas australasiæ. Butler: Trans. Zool. Soc., Lond., 1877, p. 582.

a. Moreton Bay. b. New South Wales. c. New Holland.

1053 A. Lymantria lineata.

Lymantria lineata. Walker: iv. 875 (1855).
———— Moore: P. Z. S., Lond., 1867, p. 681.
Pegella lineata. Butler: Ill. Typ. Lep. Het., B. M., v. p. 57, pl. 91, f. 3 (1881).
———— Cotes and Swinh.: Cat. Moths of India, ii. 155. 1023 (1887).

Type ♂. Sylhet, in B. M.
a. India.

GENUS **LIOTHULA**. Fareday: Trans. New Zealand, Inst. x., p. 260 (1878).

1065 A. Liothula omnivora.

Liothula omnivora. Fareday: l. c., pl. 9, f. A. 1–4.
Œceticus omnivora. Meyrick: l. c., xxii. p. 212 (1890).

a. South Island, New Zealand.

GENUS **MACRAUZATA**. Butler: Ill. Typ. Lep. Het., B. M., vii., p. 43 (1889).

1133 A. Macrauzata fenestraria.

Comibæna fenestraria. Moore: P. Z. S., Lond., 1867, p. 639.

Comibæna fenestraria. Cotes and Swinh.: Cat. Moths of India, iv. 522. 3504 (1888).

Type. Bengal, in coll. Russell.

a. Darjiling.

1158 A. Saturnia pyretorum.

Saturnia pyretorum. Westwood: Cab. Or. Ent., p. 49, pl. 24, f. 2 (1848).
——————— Walker: vi. 1273 (1855).
——————— Moore: Cat. Lep. E. I. C., ii. p. 404 (1859).

Type. China, in coll. Dalen.

a. China.

1158 B. Saturnia cidosa.

Saturnia cidosa. Moore: Trans. Ent. Soc., Lond. (3), ii. p. 423, pl. 22, f. 2 (1864–66).
——————— P. Z. S., Lond., 1867, p. 684.
——————— Wardle's Wild Silks of India, p. 7 (1881).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 226. 1546 (1887).

Type. Darjiling (?), in coll. Moore.

a. India.

1176 *. Antheræa astrophela.

Antheræa astrophela (♀). Walker: v. 1255 (1855).
——————— xxxii. 528 (1865).
——————— xxxv. 1943 (1866).
Antheræa simplex (♂). Walker: v. 1256 (1855).
Opodipthera varicolor. Wallengren: Wien Ent. Mon., iv. p. 167 (1860).

a. New South Wales (type ♀). b. New South Wales (type *simplex* ♂). c. New South Wales ♂ ♀. d. New Holland ♂. e. Australia ♂ ♀.

1185 A. Brahmæa mniszechii.

Brahmæa mniszechii. Felder: Reise Nov. Lep., pl. 93, f. 4, 5 (1868).

a. Japan.

1201 A. Clathe delineata.

Tacillia delineata. Walker: vi. 1490 (1855).

Type. Australia, in B. M.

a. Australia.

This species being the type of the genus *Tacillia*, that genus becomes the third synonym of the genus *Clathe*.

1201 B. Clathe metastigma.

Opsirhina metastigma. Walker: xxxii. 556 (1865).

Type. Moreton Bay, in B. M.

a. Queensland.

1233 A. Eutricha segregata.

Œona segregata. Butler: Ann. Nat. Hist. (4), xx. p. 482 (1877).
——————— Ill. Typ. Lep. Het., B. M., ii. p. 20, pl. 26, f. 6, 7 (1878).

Type. Japan, in B. M.
a. Japan (4).

Genus **CLISIOCAMPA.** Stephens: Ill. Brit. Ent. Haust., ii., p. 48 (1829).

1240 A. Clisiocampa indica.

Clisiocampa indica. Walker: vi. 1489 (1855).
——————— Cotes and Swinh.: Cat. Moths of India, ii. 197. 1333 (1887).

a. India (type).

Genus **CALLIA.** Walker: vi., 1482 (1855).

1242 A. Callia albifinis.

Callia albifinis. Walker: vi. 1483 (1855).

Type. Sydney, in B. M.
a. Van Diemen's Land.

1248 *. Pinara obliqua.

Entometa obliqua. Walker: iv. 973 (1855).
Rhinogyne calligama. Felder: Reise Nov. Lep., pl. 84, f. 9, 10 ♂ ♀ (1868).

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NOTE.—Numerals followed by a letter or by a * are references to the 'Addenda and 'Errata.'

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THE END

F.C.Moore del.et lith

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1. Macroglossa limata, *Swinh.*
2. Macroglossa kanita, ,,
3. Macroglossa vacillans, *Walk.*
4. Panacra variolosa, *Walk.*
5. Panacra frena, *Swinh.*
6. Panacra mira, ,,
7. Acosmeryx mixtura, *Walk.*
8. Daphnis placida, ,,
9. Cherocampa amara ♀ *Swinh.*

F. C. Moore del. et lith. Mintern Bros. Chromo.

1. Cyclosia chartacea, ♀, *Swinh.*
2. Cyclosia enodis, ♀, ..
3. Caprima gelida, *Walk.*
4. Milleria ficta, .. ,,
5. Eterusia submarginalis, ♀ *Swinh.*
6. Mimeuplæa danaides, *Walk.*
7. Chalcosia fragilis, *Walk.*
8. Corma obscurata, ..
9. Soritia bipartita, ,, ..
10. Doclea syntomoides, ,,
11. Anthrenoptera contracta, *Walk.*
12. Heteropan lycænoides, ..
13. Syntomis longipennis, ..
14. Fidorus sordidus, *Walk.*
15. Caprima mutilata.
16. Syntomis insueta, *Swinh.*
17. Hydrusa annosa, *Walk.*
18. Balatæa homotana, *Swinh.*
19. Syntomis aurofasciata, *Swinh.*

T. C. Moore del. et lith. Mintern Bros. Chromo.

1. Hypsa ghara, *Swinh.*
2. Hypsa isthmia, *Walk.*
3. Duga rana, *Swinh.*
4. Baputa dimidiata, *Walk.*
5. Argina pulchra, *Swinh.*
6. Barsine lucibilis, ..
7. Collita leucanioides, *Walk.*
8. Coutha semiclusa, *Walk.*
9. Eyrsia dotata, ..
10. Corcura torta, ..
11. Teulisna plagiata, ..
12. Corcura discalis, ..
13. Eutane brevis, *Swinh.*
14. Cossa vagivitta, *Walk.*
15. Barsine placens, *Walk.*
16. Peronetys naringa, *Swinh.*
17. Darantacea cuneiplena, *Walk.*
18. Corcura mysolica, *Swinh.*
19. Macotasa tortricoides, *Walk.*
20. Chundana lugubris, ,,
21. Eutane aureocuprea, ..
22. Barsine hypoprepioides, *Walk.*
23. Barsine intrita, *Swinh.*

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1. Aloa corsina, *Swinh.*
2. Aloa gangara, „
3. Æthalida distinguenda, *Walk.*
4. Areas sparsalis, *Walk.*
5. Areas conflictalis, „
6. Areas rudis, „
7. Ardices garida, *Swinh.*
8. Hypoprepia ziczac, *Walk.*
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10. Teulisna chloides, „
11. Lyclene vagilinea, „
12. Pisara lucidalis, „
13. Etanna florida, „
14. Pisara opalina, „
15. Lyclene ruenca, *Swinh.*
16. Nishada fasciculosa, *Walk.*
17. Prabhasa xylinoides, „
18. Dolgoma nebulosa, „
19. Pisara acontioides, „
20. Minnagara fasciata, „
21. Sesapa divisa, „
22. Melia cuneifera, *Walk.*
23. Mantala tineoides, *Walk.*

Mintern Bros. Chromo

1. Eusemia saturata, *Walk.*
2. Eusemia milionia[illegible]
3. Eusemia hesp[illegible]ides. *Wall.*
4. Eusemia d[illegible]carta
5. Leptosoma acceptum.
6. [illegible]
7. [illegible]
8. [illegible] kela.
9. [illegible] quadriplaga
10. [illegible] a radiata
11. Thalaencides macleayi, *Swinh*
12. [illegible]ptosoma proprium,
13. Atasca simplex, *Wall:*
14. Leptosoma inundipicta.,
15. Leptosoma aegrotum, *Swinh*

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1. Adlullia innotata, *Walk.*
2. Adlullia boleora, *Swinh.*
3. Adlullia lunifera, *Walk.*
4. Odonestis directa, *Swinh.*
5. Metanastria lucifuga, „
6. Orgyia dimidiata, *Walk.*
7. Urocoma baliolalis, *Swinh.*
8. Adlullia xanthomela, *Walk.*
9. Artaxa signiplaga, „
10. Sitina albicans, *Swinh.*
11. Mimeusemia tara, „
12. Artaxa ruptata, *Walk.*
13. Orgyia varia, „
14. Adlullia divisa, *Walk.*
15. Odonestis inobtrusa, *Walk.*
16. Orgyia osseata, „
17. Ticera castanea, *Swinh.*
18. Arca exoleta, „
19. Artaxa singapura, „

Mintern Br[illegible]

University [illegible]

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1. Drepana curvaria, *Walk.*
2. Laganda picaria, „
3. Gangarides vardena, *Swinh.*
4. Gunda ochracea, *Walk.*
5. Janassa cerigoides, „
6. Cascera inconcisa, *Swinh.*
7. Ocinara albiceps, *Walk.*
8. Narosa velutina, „
9. Albara reversaria, „
10. Synemon adelaida, *Swinh.*
11. Drepana quadripunctata, *Walk.*
12. Dediana basivacua, *Walk.*
13. Ticilia argentilinea, „
14. Darna metaleuca, „
15. Oreta singapura, *Swinh.*
16. Synemon collecta, *Swinh.*
17. Drepana micacea, *Walk.*

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